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SEARCH REQUEST FORM

Scientific and Technical Information Center

Reducsion's Full Name	i:	Naminei = :	Date:
Art Unit Phone Numb	per 30	Senal Number	DAREN BIOU STA
Mail Box and Bldg Room Location	Results	Formal Preferred (circle)	PAPER DISK E-MAIL
If more than one search is submitted	d, please prioritize s	searches in order of ne	ed.
Please provide a detailed statement of the searc Include the elected species of structures, keywo utility of the invention. Define any terms that r known. Please attach a copy of the cover sheet,	h topic, and describe as s ords, synonyms, acronym may have a special meani	pecifically as possible the sub s, and registry numbers, and c ng [Give examples or relevan	ombine with the concept or
Title of Invention			3000
Inventors (please provide full names):			
Earliest Priority Filing Date			
For Sequence Searches Only Picase include all appropriate serial number	pertinent information (par	ent, child, divisional, or issued p	atent numbers) along with the
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STAFF USE ONLY	Type of Search NA Sequence (#)		where applicable
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Database

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Eukaryota; Metazoa; Chordata; Vertebrata; Mammalla; Eutherla; Primates; Catarrhini; Hominidae; Homo.

Primates; Catarrhini; Hominidae; Homo.

I (bases 1 to 128473)

Muzny, D., Arenson, A.D., Adams, C., Bunac, C., Carvelli, K., Chang, J., Chacko, J., Chen, J., Ding, Y., Dugan, S., Durbin, J., Forcum, J., Ganesh, K., Garcia, C., Goodman, M., Gorrell, J. H., Haywood, M., Hernandez, J., Jackson, L., Jin, S., Kampal, R., Karpathy, S., Kovar, C., Lu, J., Ly, T., Marcndel, I.', Lichtarge, O., Liu, W., Logan, O., Lu, J., Ly, T., Marcndel, T.', Martinez, C., Merscher, S., Kovar, C., Oswal, G., Perez, L., Rashid, N.D., Renault, B., Rowland, K., Savage, L., Scher, F., Shen, H., Simon, M., Stovall, K., Timms, K.M., Todd, J., Nelson, D. and Gibbs, R.A.

Unpublished Libration
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  On Jul 1, 1998 this sequence version replaced gi:3108007. Sequencing is completed to a minimum standard of double strand coverage with a minimum of 2 clones and 2 reads with no ambiguities or 2 chemistries with a minimum of 2 clones and 3 reads with no ambiguities. If the sequence quality does not meet this standard, it will be indicated in the annotation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exon/Intron boundaries of identified genes were chosen if there were canonical splice junctions that maintained sequence continuity across the splice junctions.

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Direct Submission Submitted (01-JUL-1998) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence similarities were identified using Powerblast by Jinghui
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The repeat regions shown were identified using RepeatMasker by Adrian Smit.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Direct Submission Submission Submitted (28-FEB-1998) Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA 3 (bases I to 128473) Worley, K.C.
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/clone_lib="Roswell Park Cancer Institute Human PAC
library"
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/chromosome="12"
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/rpt_family="MIR"
complement(6066..6311)
/rpt_family="MIR"
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/rpt_family="MIR"
complement(8039..8269)
/rpt_family="MIR"
9849..9331
/rpt_family="MIR"
10028..10202
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complement/37ff
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/rpt_family="AluSc"
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2226..2322
/rpt_family="(GGA)n"
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Worley, K.C.
sapiens (human)
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4 .094 Million cell updates/sec
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                                                               Compugen Ltd.
                            GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compue
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Maximum Match 100%
Listing first 10 summaries
                                                                                                                                                           - nucleic search, using sw model
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Gapop 10.0 , Gapext 0.0
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Maximum DB seq length: 200000000
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Match
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RESULT 1 ACO04241 LOCUS DEFINITION

ACCESSION

VERSION KEYWORDS

Score

Result š $align31_ac004241_ge0$

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on complement(53889..53943)
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/rpt_fanily="MERSB"
join(54787..54801.57907..58065,59149..59289,63034..63156,64350..64477,70114..70235,71557..71628,72752..72805)
/gene="Similar to AA356170, AA314382, W39599"
/note="Exons 54787..54801, 57907..58065, 59149..59289 are
in AA356170. Exons 57907..58065, 59149..59289,63036, 63156,64350..64477, 70114..70235, 71557..71628, 72752..72805 are
in W39559"
n 54897..54932
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join(3186.35394,42559.42624,43098.43235,43695.43863,44254.4778,48131.48237,48978.49120,49834.51008)
/gene="M32402 Human placental protein (PP11) mRNA"
complement(38203.38263)
/rpt_family="Lift"
complement(38234.38468)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           241 GGGAGGAGGACAGACTCAGTACCAGAGTCGGAAAAAAGCAGGGTGGGAAGGGGGAACCTG 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /rpt_family="Name | Personal | MRNA" | /rpt_family="Name | /rpt_fa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61 GGGGTTTTTGAGACCAGGGTTTGGAAGAGAGTTCAGCACTGCTGGTAGTTTTGGGAATCA
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                                                                                                                                                                                                                                                       complement(40971..41328)
/rpt_family="THE1B"
41700..41770
complement (34180, 34229)
                                                                                                                                                                                                                                                                                                                                      /rpt_family="L2"
43289..43467
/rpt_family="MER5A"
45606..45709
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46457..46691
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46755..47229
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Matches 2433; Conservative
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complement(23614..23994)
/rpt_family="(GA)n"
complement(23614..23994)
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Soares_multiple_sclerosis_2NbHMSP Homo sapiens cDNA clone
276469 5'"
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brain INIB Homo sapiens cDNA clone 42657 5'"
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| complement(15148..15381)
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Soares_multiple_sclerosis_2NbHMSP Homo sapiens cDNA clone
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//gene="Aloud 302"
//ncte="Belong to Unigene Cluster Hs.8578. Homo sapiens ESTS, highly similar to HYPOTHETICAL 139.4 KD PROTEIN T2065.5 IN CHROMOSOME III [Caenorhabditis elegans]"
1215...21282.
                                                                                                                                                                                                                                                                                                                                                                                        /rpt_family="MIR"
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complement(17809..17889)
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17890..18112
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complement(18811..18922)
/rpt_family="MIR"
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complement(28933..29328)
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complement(32469.32502)
/rpt_family="(CA)n"
32909.33093
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33682..33959
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17395..17636
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16188..16350
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101 MATCHGGRACTTGGTTGGCTGGCTGCCTGCACACACACACACACACAC		1163	Qy 1163	Oy 1163	1163 17731 AGCTCAAAGGCATGAGCTATTCCTCAAGCTCACACAGTGAGAGTAGCTGGACTTGGAAC	17791 TTAAGTAGTCTTCATTTGTTTAGTCACTCAGCAACATTTTTGAGGATCAGCTATGAGCC	1 AGCAATATGTTAGGAGCTGGAGATACCACAGGGTAAAACAGGTCAGCTTGATGGTTAA 17 3	QY 1163	18031 AGGACTGTAATTGTATCTACCCACAGGGTTGCAATGGCTAAGTGAGCTAATGTGTGTG	Db 18091 GCACTTAGCACAGGCCTGCCAGTCAGTGCTGAGAACATGGCGGGCTCAGGAGTATTAAG 18150 Qy 1163
	AGTCAGGAGACTTGCCTGGCGGCGCTGCCAGGAGGCCTGACAGTGGTTTCCA	TTTTGTCAAAGGCGCATTGTGAATATTTAGATCCTCAGAATAATGCCTGGCTTGTAGCAA 600		TGAGCTCAGGTGAATGTGGCAGGCCCTCTGGTGGTGTGATGCTGTGGGGCCC 840	GTGCTCCTGGTGACAGGGACCTCACAATCCCTCCACGGTCTCCTCATGTCCT 16650 CCCAGCCTTATTTTCTCGTTCCTTCCTCCAGGCCCGGAACTTGCCTGTTTGGCTCC 960	CAACCAGGACCCCTTCCTGGCAGCAGTGTGCCATCCAAGTTGGGGATAA 1014	GTGGTCTGTGCCGGCTGGGCACACCCCGACATCTGCACCTGTCTCTGCTGTCTTG 16830	CAGGGTCTGTGTTCCAGGCTGCTAGGTCTGCCTCCTACCTGCCTCTTTTTTGCTCA 16950	GGGCCTCCCCACCTGCAGCTCAGCCTCTTGGGGATCCCTCCC	GCCCTCTCCCTCGGGGTGGAGATCAGGCAGCCCTTCCCACAGCTCGGTCTGGTCTCCT 17070AGTCCCCTATGACATCTGCCGGCCAGACCACTCAGTGTTGACCCTGCAGCTGCTC 1070

11511 TTCTTCCCCTAGGATCCCTCATGGAACCACCGGGTATACCGACTGGCCCTCGCCAAGCTC 21570 1760 TCCCCTCCTGTCATCCCCTTCATGCCCTTCTTCTCAA	1798	21751 TGATGCCTCAGGGAGTGCAGAGATTAGGAGTTCTTAGACTGGAAGAATGAAGACT 21810 1798	1798	21931 TTCACCTTTTCTGGGCTACAGGGGGGGAGGTTTGGGGACCTATGAACAAAACCCATCT 21990 1798AGACATGACCTTCATTCATGGGAAACCACACATAGTGGAGAATCTCATCAA 1851 21991 CTTTGAGACAATGACCTTCATTCATGAGGGAAACCACACTAGTGGAGAATCTCATCA 2050	CTTTGAGAAGAT LIIIIIIII CTTTGAGAAGATGGTGAGTCCAGGGAGGCAGCATTCACTAACATAGGTTGGAGGA	22111 CATGACTGTGGCAGGGCAGGGCTTGGAGGCGCTTAAACTTGTTATGAATAAT 22170 1864	CAGGGTGCCAGCCTCAGCATTCAACGAGAGCCCTTCCAGCCCTCTTCTCTC TAAGCCTTTCTCTGCCTTCTGTCCTCTGCCTGGTCCCGGCTGGGCCTCTG	22351 GGTGTGGAGGCGAAGTACACATGATGCCACATAACCAAGGATCTTACAGTCCCTGATC 22410 1864
CTAGCCCACACTGGG	crec		 GTGT	GCATGGGGCAGGAGATCCTGTGTGAAGACTGGGCTGGAGCATGTGGGTGTCCAGTCCTG 20910 Qy Db	GGGTCTGAGGTGCCAGGGCTCCAGGGGCTCCAGGGCCTGGCATGGGGC 20970 OY CCTGTGTGGCACCAGGCCTCTGCCCCTCAGGAGCCTTGCGGGTAGACC 21030	AGTAGAAGAGGCGAGGATAGAGTTGGGGAACCTCCCACCTCCAGGAACTTTTGAGG 21090 Db AGTAGAAGAGGCGAGGATAGAGTTGGGGACTGCACCTCCAGGAACTTTTGAGG 21090 Qy ATTTTGAGGGTTTTTGACTATTCTGAGAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGA	TACT 21210 TACT 21210 1710 AGGT 21270	GACAGTGACAGACTTTTCCAAGAAACCTGGGGCCCCTGTGACTTTTC Db TCAGTGCTAATGGAAGCCCCGTGTTCGCCTGTGACTGTGGTGAGACC Qy TCAGTGCTAATGGAAGCCCCGTGTTCGCCTGTGACAGAGCCTGGGTGAGACC 21390 Qy TGAGTGCTAATGGAAGCCCTGTGCACTGTGGGATGTGGC 21450 Qy TGGGGCTGAGGTGGGCTCTGCACTGTGCACTGTGGGATGTGGC 21450 Db CCTCCTTGGTTGGTGGTGGTGTGTGTGTGTGTGTGTGTG
Oy 1643 CTAGCCC Db 20431 CTAGCCC Oy 1659 Ob 20491 GGCCCTC Oy 1659 Ob 20551 CCTTTTC	1710 20611 1711	20671	1711 20791	Oy 1711 Db 20851 GCATGGC Oy 1711	Db 20911 GGGTCTC Qy 1711 Db 20971 CCTGTGT	Oy 1711 Db 21031 AGTAGAA Oy 1711 Ob 21091 ATTITUGS	2015 1171 21151 1171 21211	21271 1711 21331 1711 21391 21451 1711

qa	22591 CCCCCACCTACATCCTCTGTGAGGCTCCAGGGTGGCCCTGACTCCATGACCCCTCCCCA 22650	ë	
Qy	1919GTGCCTCTCTCACCACTCAGAAGCCGAGTTTCCCACCTCCACGAGACAGCC 1970	<u> </u>	00100 00000000000000000000000000000000
qq	22651 CCCCCGCAGTGCCTCTCTCACCACTCAGAAGCCGAGTTTCCCACCTCCACGAGGAGGACGC 22710	3 ,	ANCATAGTAGTATGTTCCAGGCCAGGCCAGGGTGGGCCGTGGCAGGGAGGCCTGAGGCCCCC
Qy	1971 AGGTGGCGAGGATTTCCACAT 1991	δλ	111111111111111111111111111111111111111
qq		QQ	23791 CCCTCTGGGAAGGAGCTGTGGAGGAGGAGCAGCCCCATGCTGGGCACGGGCCAGACTGGG 23850
ò		δy	2424 2423
· 43	CTTATGGTAGTTACTCAATGGCTGGCACATACGAAAAAAGGCAATAGGAAAAAAAA	qq	23851 TCCAAGATCCTGATGCCACCCAGATGTGCCTCCAGGGCTCTGGCCAAAGGGCGGGC
. A	040000000000000000000000000000000000000	Οy	2424 2423
i q	CCCGCCCTTCCATACATGATGATAATGTTCAGCCTCTGTGCTCTGAGCCAGGG	qa	23911 GCCTGGAGCCCCTGTCAGCAGCCAGGCTGACCATCAGCTCCCCGTGGTGGTCCAAT 23970
ò	200000000000000000000000000000000000000	QY	2424 2423
7 dd	CTTCGGTCCCCCTCAGGGGGGGGGGAGGGAAGAGAGAAAAAAAA	q a	23971 AGGACTTTACAGTCCAGATGCAACTGACAGCTTCTTCCCAACTGCAATCCCCGCTTTTCC 24030
Ċ	001001001001000000000000000000000000000	Qy	2424 2423
7 E	CAAGTIGGTTGGTTGGTTGAGGAGAAGAAGAAGAAGAAGAAAAAAA	qa	24031 ACACTTGAGCTCGTCCTGGCCTGTTGGGCCAGGCTTCTGGGGTTCTTCTGGGGGTGGCTTG 24090
}	000000110010010100101001001001001001001	Qy	2424 2423
Z a	2301) AAAGGTTGGGTTGCACAAAGGGGCATCAGTGCCTTCCTTC	qa	24091 TGATAGAAACAATGCTGAAGCTTCCGCGGAGAGCCCGTCGCTTGTTGAGGCCCAACAGAC 24150
: è	できまった。そのでは、1900年には、1900年には、1	QY	2424 2423
5 E		QΩ	24151 TTCCAGGAAATCAGGGTTTATCATCAGTGTTGAGAATGGTCCCAGCAAGGTCTGGTCATA 24210
ìè	なられたといるようになっているとのできない。これでは、これでは、これでは、これでは、これでは、これでは、これでは、これでは、	QY	2424 2423
යි සි	23131 AGGROAMGAAACAACAGGGGAACACACAGCACAGAGAGCAGGAAGCAAGAGGAAGAGAAGA	QQ	24211 CGAAGTCCTCTTCCTGCCCCTTCAGCACTTCCCCTAGGAACCAGCTACTGCCAGGAC 24270
1 2	してくていてに出出していていて、そのではないのでは、「このでは、このでは、このでは、このでは、このでは、このでは、このでは、このでは、	Qy	2424 2423
3 8		Db	24271 GCCTCTTGCGAGGCAGAGCTCACCCAGGAAGCTCCAGGGACTCCACCCTCTTGCCTTGCT 24330
3 8		Qy	2424 2423
S 8		qq	24331 ATTGCCCTGAGTCCTGGCAGCAGGAGGCACTTGTCTGGCCAGAGAGAACTCATGGCCC 24390
Å	TO GOAGO CAGO CAGO CATO CONTROL CAGO CAGO CAGO CAGO CAGO CAGO CAGO CAGO	Qy	2424 2423
Z QQ		q	24391 CTGGCATGACTCCTGAGTAGGTATTGAGGCTGCAGGGCCTTGGGCGTCCAGAGGCAGCTG 24450
łò	GGAGTGGACCCGAGCAATAACGAATGACCCAAGGAAGGAA	QY	2424 2423
් යි		QO	24451 GTATGGCCCCTCTGCACTTCAGCCCCATGGATGTGGATACACAGGCCTGCTGCTTCCAGA 24510
ò		Qy	2424 2423
· 6		QQ	24511 AAGGGTCAGAGCCTTTAGCAGGGAGGCAGCACAGGTGGGCTTAGACCTCAGGTCACTAAG 24570
ò	CACACCAGA	QY	2424 2423
7		qq	24571 TGAATCTGAGCAAGTCAGTGAACAGTTCTCTTCCTTCATTTCTCCACCTGTAAGCCAGGT 24630
3 3	CACACCAGGILGICCAGGILCIGICIGGCILIIGILGICCAGCCAGGCCAG	Qy	2424 2423
Š	24.24 **********************************	QQ	24631 ATGATAAACGCCATACAGCGCTTAGTGACAAACACATAAAACTGTAGCTCCTGCCTCTGT 24690
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Š i		qq	24691 AGCAGAGGTGACAGCCAAGGGCAGTCCTGTGCTATCCAGGCCTGGTAGGGGGGGCAGCCTC 24750
a 8	1 GGGAGGGCCTTGGCCTGGGGCAGGGGCCCCCTGCTTTCTTT	Qy	2424 2423
Å å		QQ	24751 GCCTCAGTTGAGGGCTGAGGGAGAGACTGAGGTGCAGAGGGCAGTGGTAACCAAACC 24810
qq	23671 AGCAGGCAGTGGGGCTGTGCGGTGGTCCCTGAGGAGCTTTATTGTTACTGTC 23730		

ογ	2424 2423	
qq	24811 AGTTCCCTTGCCGTGGGTGGGGACACGGAGCACGGAAGCATCTGGAACTGAGCAAT 24870	25891 AAAAGGAAGGCAGAGCCTGAGATCCGGCACCCCATCCCCTCCACTCAGTCAG
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ò	2424 2423	2424
q	24931 CCATTGTCTGGTGTGTCTCGGCAAAAGCCAGCCAGCCAGC	25011 CCCTCAGCCTCTGGCTGCTCCCTTCCCAATAGTCACAAGATTTACCATGATAATAGTAG
ογ	2424 2423	2424
පි	24991 TCAGACTCTAGGGTGAGCCCAGCCAGCGACACAACAAACCAAGTGCCACGGGGGCCG 25050	26071 GTTAAGACTTGAATGGTGTTTTCATCTTCTTTCATCTTCACCCTGTCTCACGTTACGTTA
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a	25051 GTGTCCTCCACCAGCATTTCTCCTGGTCACATCTACGTCCTGATGGGACTTCTCCCTC 25110	26131 TȚTTTATCCTGATGACAGAATAGGTACTACAGGTATTTTACTCTGGTTTTACAGTCAAA
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q	25111 CTCCTTGGACCATCAGCTTTACAGTCCAGACCACCCTGCAGCCACCCGGTGGTCTCCCAG 25170	ZOLYI GARACTGAGGCACAGGTTTGCCCAAGGTCACATAACTGCTTAATAGCAGGGTAGAC
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Q	25171 CTGCCCCAGTCTCGGGCAGGATGGCTTTTGAGCCTGTTGGGAGAGACCTTGCCAGGAGAA 25230	DD 26231 AGGIGAAGIAACIGGAIGIGIAICAGCCAIGCCCTTICCCCAIGCCCCGGGCACICCCCA 26310
ð	2424 2423	マン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン
QQ	25231 TGGTGCCCAGGGCAGGCAAGAGGACACAGACTCTGGGAGCTAGAAGAGTTGCGGCCCAGG 25290	2011 19ACAGCICICIGAAICCCAACAIIIIAIICIIIIGCAGGAIIAGACCCAAGCAIAIAAA
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Q	25351 TGGCCCCATGCTGGAGTTTGTGCTGCCTTCTGTCTCCCTGACTGCCCAAGCGTGGGGTG 25410	26431 TGTAGGGGCTCTGTGAACAAGACAAAGGCCAGGTGCTGTGGCTGATGCCTGTAATCCCAA
ŏ	2424 2423	2424
셤	25411 GTGTGGGGCAGGATCCTCTGGTGTTCCCTAGCAGCCCAGGCTGTGTGCAGGGGCTC 25470	26491 TGCTTTGGGAGGCTAGGCATTTGAGACCAACCTGGGTAACAAAGCAAGACCGGTCTCTA
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g	25471 CCATTTTGTGTCTCAGCTGCAAGAAGGCCACAAAGGGAGGAGGGGCTCATGGGACTGCTG 25530	TAAAAAATAAAAATTACCCGGGTATGGTGGTGTGCCCCTGTAGTCCTAGCTACTTGGGAG
δ	2424 2423	2424
Q	25531 AGAAGAAGGTGTGCAGAAAGGGAGTGTGGCCCTAGATCAGTCCTTTAAAAAAGCCTCTGTT 25590	26611 GTTGAAGTGGGGGGATCACTTGAGCCCAGGAGTTCGAGGTTACAGTGAGCTATAACTGCA
ò	2424 2423	2424
q	25591 ACCTGAAAGGAGGTCAAGCAGAGAGAATGGCTGCGTGTGTGT	26671 CTCGTCCTTTCTTTGGTTGACAGAGAGTCTGTCTGAAAAAAAA
δ	2424 2423	2424
ΩD	25651 GACAGAGGGAGGTCATTGTTACACACACATCCCCCCCTTTCCTTCC	26731 TGGTAGTTCTGGCCCTCATGGGGTCAATCATCAGCTAGGCAGCCAAGACTATCAGTAAC
٥	2424 2423	Qy 2424 2423
a	25711 CCCTGTGAAGGCCTGAGGCAGGCTGAGGCTCAGGCCCTGACTGTGGGGTACACAC 25770	Db 26791 AAAAGATGCCGAGGGATAAAGTCCAGAGCAGAATCCCAGGGCTGCAGCATCTCAGTG 26850
ŏ		Qy 2424 2423
QQ	25771 CAGGGAGGCCACGCCTCCCCACAGACGGGTGGAGTGGTCAGTGGAGCCAGCACCCTCT 25830	Db 26851 CTTACCCCAAGCATTAAGGCCCAGAGCTGCTCCCGTTGGAGCATAGGTTCATAGCCCCAG 26910
ŏ		Qy 2424 2423
a	GCTGCTTCAGCATCTCCGCCTGGGCCAGCTGTCCCCTCTCTCAGGCTCCATCCGAAC	Db 26911 CICCCIGAGCCIGCACACACCICIGCCTGAGAIGGGGAIGCICICCACICATCACACIG 26970
ò		Qy 2424 2423
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qa	26971 GCACAAGCCACCTGAGTAGCAGGAGGTATGGTGGTGGTGGTGCAGCAAATTCTGACC 27030		
δy	2424 2423	Å i	
qq	27031 TGGCAGTTGTCCTCAACCCCTTTCTCCTTCCACAGACCTACAGGCCAGAAAGTACATGT 27090	a a	TCTTCCCCATGGTGGCTTCCAGCCGTGACTGCTCATGGGAGGGA
δδ	2424 2423	Qy	
qq	27091 CTTTCCAAAATGTGTCCTAGTACCCCAACCCACACTCAGTATTGAGCTCCTCCTACATCT 27150	අධ	. CTGTTTTATTGGAGGGGTTCTCAGAGCTCCCTACCCCTGAGTGTTGCTCCCTGCTACCTG
δy	2424 2423	δλ	
đ	27151 GCCAGGCCATGGATCTATACTAAGTAAGTGTCCACCCAGGCCTGTCCAGTTGCTGCAGCC 27210	qa	. CTTGAGTGCATGACTGCTTGTACTCTTTGAGTTCTAGTTGTCAGTAGAAGGCCCC
Οy	2424 2423	δλ	
qq	27211 AATTCAGGCACCCTCCTCAGATTCTGGACTCTTCAAGACCTGAGCTGTAGCCTTCCTG 27270	qq	TGTTATGTAGATACATAAGTTGGGAAGATTCTAATGGCCCAATTGTAGATTCTAATTAAT
Qy	2424 2423	δλ	
qa	27271 CAACACAGTCTGCTGGCATCTGAGGGGTGAAGGGGCTTGCAGGCCAGGGCACGGGTGACTG 27330	ପ୍ପ	ATTICTAATGGTCACTTTTAAAAGAATAGAAAAAGAAGAGCCTCGAGGCAATGGCATTAG
Qy	2424 2423	Oy.	1
qa	27331 CCGTCCCTCCCAGTGATAAAACTGGATCATCCTGAGAAGCCGAGTCTGACTCAGCTG 27390	qq	GGGAATTTAATGGCATGATCAGGTGGCAAGGTCCAGAGATGATTACTTAGGTGGGGGAGAA
Qy	2424 2423	δλ	
Q	27391 CACTIAGAAAGACTCITCTCTCCCAIGCCIGGGGCCTTCCTGGAGCAGGIGCCTCGAIG 27450	QQ	TGTTACAGGGGTCCTGGGACACAGGGCATCCAGGGTGGGAATCAGAGGGAGAGGTAGGT
٥y	2424 2423	ογ	
셤	27451 GGGTCAGGGGAGGATGCTCCTGGTAGTAGCTGGTAGAACACAGAGGAGGCTGGTGACTCC 27510	qq	GCCAGTTTCACCCTCTCAGCGTTGCTGGGGCTGAGCCCTGCAGGAGCAACCTGTGTGCTG
٥y	2424 2423	δy	2424 2423
qo	27511 CAGAAGAAGACAGAAGGTTAAGCTCACAGTTTGGACCCACTTTTTGTGCTAGGAGGTGTG 27570	qq	28591 GAGGGAGAGCCTGCACATGCAGGCTGGACTCTGGTGGCCCACGGAGAAGGTCAGCAATCT 28650
Qy		δλ	2424 2423
qa	27571 GGATTCTGGTTGTGCTGTGTGTGTGTGTGACCAGTGTGCACCCTGGACCAGGGAGC 27630	qa	28651 CTGTTTCTCTTCTCCGGTTCTTGACTTTGCACGAGGCAGCTGTGGATTATCTCATCAAAT 28710
Qy		δλ	2424 2423
QO	27631 TGGATGCTTCAGGCTTCACCCTGACTCTGCCTTGCTCTTGGCCCCTTGGAGCACT 27690	qa	28711 AGAGCACAAGGCTCAGGAGGCTGAGCCATGGAGTTGCTGCTCTTAGCTTAGCCCCATTGC 28770
δλ	2424 2423	Qy	2424 2423
· 8	TGGATCTTGGTTTTCTCACTGGAGTTGTAGGCAGCTAGAGGTGTTTTGGACTGCTG	qa	28771 AACTITIAGCTICCCCCAGAGCAAAGCACTGTICCTAAGGCTGCAGGCCACAGGCCCCAGA 28830
δò		Óλ	2424 2423
qa	27751 AATGGAGGGCTGTACTGGCTTTCCTGGCACTTAGGCGATCCTAGCTAG	qa	28831 AAACAGGTGGTTCCTTTTGGCACCAAACCAGGTGAGTTAGACAGTGCGACTCATCAAAGG 28890
٥y	2424 2423	ΟŻ	
q	27811 AGACAGGGTGCCTTTTTAGGGGGCCATGACAAGATATTTTAAGCTTACTTGACCACC 27870	qq	28891 GCCATCCCCAAGACTTGAAAATACCGAGGGTGCACGTTTTTTAAATGAAAATATTATCTT 28950
٥y		δλ	2424 2423
qq	CAGAAAAGTGCCCTGTCCACCAGAGTATAAGGCAGCATAGGTGGATCCCATAGGTGGGCA	QΩ	28951 IGGAAITALAAAATAAAATATTACAITATAGAGACIGTAGAITAGAGGAGCIGCCACCTIC 29010
٥٧	2424 2423	QY	2424 2423
' අ	GTGTGCTGGGGCGAGGGGGCCTCCATCTCTCAGGAGCCCTGGGGCAAGGCAAGGCGCTTCC	qa	29011 TCACTATTGTCATTTTTCAGAACTTTTTTTTTTTTTTTGAGAGGGAGTCTTGCTCGTC 29070
ογ		Oy	2424 2423
d d	TCTCCCTGGGCCTCACTTTCCCCCATTTAGAAACAGGAATTTGGATGAGAAGTGTTTGAGG	qa	29071 GCCCAGGCCGGAGTGCAGTGGCGCGATCTCAGCTCAAAAGCTCCACCTCCCGGGTTC 29130
Qy		Qy	2424 2423
qq	ATCTATGAATTTGGCAACTCAGGGTGTCAAAAGGGGAAGGGGTGTAGGCCCCTTTAAGCA	qa	29131 AFGCCAFFCTCCFGCFTCAGTCTCCTGAGTAGGTGGFTACAGGCGCCFGCCACCACGC 29190

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a m mm x	* 52082 52101: gap of unknown length 52102 92374: contig of \$40273 bp in length 92375 92394: gap of unknown length 92375 132274: contig of 40273 bp in length 92395 132274: contig of 39880 bp in length 132275 132294: gap of unknown length 132275 132294: gap of unknown length 151995 152014: gap of unknown length 151995 152014: gap of unknown length 15371 153730: gap of unknown length 153731 153730: gap of unknown length 15435 15435 1570: contig of 702 bp in length 154456 155177: gap of unknown length 15518 155182: contig of 685 bp in length 15518 155182: contig of 685 bp in length 15518 155182: contig of 683 bp in length 15518 155182: contig of 683 bp in length 15518 155182: contig of 683 bp in length 15583 155825: contig of 643 bp in length 155825 1578 155825 1578 155825 1578 155825 1578 155825 1578 155825 1578 155825 1578 1578 155825 1578 155825 1578 155825 1578 1578 1578 1578 1578 1578 1578 157	sty Match st Local S cches 2433 1 52189		301 489 361 549 421 609	2669 541 2729 601 2789

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qq	53989 GAATTGTGAGGATCAATTGAGTTCATCTATGAAGCATTTAGAATGGTGCCCGGCACATA 54048	ביינים בי
ò	1163 1162	1163
q	54049 GTGATACATAAGTATTAGCTGCTATTATTATCATCATTTGTGTTTAGTCATTTAATATGA 54108	55129 TGGGGACTCAAGCACAGTCCCAGTCCATGAGGAGCTGATGAAAATCAACACCAAGGCTTA
٥y	1163 1162	1163
q	54109 ATTAATAACAATCTCATGAGATACAGGTACTTTTATCCTATTTTCAGACAAGAACACTGA 54168	55189 TATAAGACACTTCCCAATTTTCAAAGGGCTTTTATACATAGCATGTACTTATAGCTACTA
δ	1163 1162	1163
q	54169 AGCTCAAAGGGCATGAGCTATTCCTCAAGCTCACAGTGAGAGTAGCTGGTCTTGGAAC 54228	55249 TTTATATACATTATTTTATTTGACTTATGAAATAGTTGGGGCAAGTCTTATTGTCTCCAT
ò	1163 1162	1163
q	54229 TTAAGTAGTCTTCATTTGTTTAGTCACTCAGCAAACATTTTTGAGGATCAGCTATGAGCC 54288	55309 TTTACCAGGGAAGAAAGTGAGGCTGAGGGAGGCTCAGACCCTGCCCAGGTTCTTCCTGAC
ò	1163	Oy 1163 1162
· 8	AGCAATATGTTAGGAGCTGGAGATACCAGCAGGTAAAACAGGTCAGCTTGATGGTTAA	TCACTGAGAATCTTTCCTCATCCTCTTGGATGTGCTTCCCTGGGCTGCGTGGCTGCGTGG
ó	1163 1162	Oy 1163 1162
q	GAGCATAGACGGTGGACTCCCAGACCCGTGAAGGCATCTTAGGCTCACCATTTACTAGCT	Db 55429 GCACATGCACCTGTGTATTCTGAGCACCCAGGACTTCAACCCCGCTACTAGGAGAAA 55488
ò		Qy 1163 1162
;	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Db 55489 CAACCTCTCAGCCTCCCAAACAGCACCTCCACCTGGCATCCAGCTGGTCCCGGGCTCC 55548
3 8		Qy 1163GATGCCTGCAGCCA 1183
ò		Db 55549 CTCCCTTCCCCCACCCAGTCCGCCTCTGCTGTCTTTGCAGATGCCATTGGCAGCAGAGCCA 55608
q	54469 AGGACTGTAATTGTATCTACCCACAGGGTTGCAATGGCTAAGTGAGGTAATGTGTGTAAA 54528	
ò	1163 1162	
đ	54529 GCACTTAGCACAGGGCCTGCCAGTCATGAGAACATGGCGGGCTCAGGAGTATTAAG 54588	1 2 AA
ογ	1163 1162	
g	54589 AIGGGCCTCCAGAGAACCTGGAACATTCAAAACCACTGTTCTCTGCGGAGGGCACGGGCT 54648	
ογ	1163 1162	1971
q	54649 TGACAGCTGGAACCCAGGGCAGACAAGAATTAGGGGGGGTTCAAGAAGTGGGGATGAGAAA 54708	55/29 TTTTGAGTGTGGCAGTGGTGGATTCTGGGGAGGGTCCCAGGGAGAAGAGGGAGG
ò	1163 1162	Qy 1261 1260
qq	54709 AGAAAAGCCTTCTCCCTTCAGGAAGTGGGGAGAGATGGTCACCTGTGTGCCCTGCCTG	CTGGCTCTGGCTGCTGGGTCCTCAGCACACAAAGGAGTGGGCCTCAGCTGATGGGGG
ò	1163 1162	
අ	54769 GAAGCACTGCCCTCTGCTGGCTGGTGAGTTGCCCAAAAGGTCATGTTTATT 54828	Db 55849 AATTCCCAAGATAGTGCAGGGCAGGGCTGGTAGCACTGGTTGGGAGCTCCCAAGGAGAA 55908
Š		ογ 1261 1260
7	・ アプロ・・ ファー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	Db 55909 AGAGGAGGACCTGCCCTAGTTAGGGGTTCCCCAGGAGAGAGGGGCCCAAAAGGAGGGGTC 55968
3	ONGACCETACTATOTOCCAGGGCACTGTTTAGAGCACTGATCTCCGAAGCACTTGGATCGA	Qy 1261 1260
ò i		Db 55969 TCAGCACTGGGGAGCCCTATCCTCCAGCTGCTATAGCCCCTAGAGACCCTCTACTCCCCA 56028
qq	54889 CACCCATGTCAATAACCAACATTTAATTAAAACCCACACACCCCACTGTGTGAATATTTGTT 54948	1361
ογ	1163 1162	TO 9.7 プレッシュンション・マン・マン・マン・マン・マン・マン・マン・マン・マン・マン・マン・マン・マン
qq	54949 TGTAAGTAATACACATATATTACTACATTAATATCATAATAAGATAGAT	ממסקס כוכנופרכניוכניושאיניניוכניושאינאימאיפאימאיפייושפאס וכניופרנינייטיייטיייטיייטיייטיייטיייטיייטיייטי
٥y	1163 1162	1201
qq	55009 TICAIGGAGIAGAAAIGCAAAGCAGGIAGAAAAGIAAACGIAAGIAGAAGAGGICAIAI 55068	Db 56089 CCCTACCCTGTGCCTTTCCCTGGATTCCTCAGGCAGCCCCTGAGCACTCTCCCACCGG 56148

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qq	57229 AGGAAG	GGGGTGTTCAGCACTAGGATAGGGGTTGCACGGTGCATCCTGGCCCTCAGTGTGT 572	7
Qy	. 1711	1710	7
QQ	57289 GCATGGC	ATGGGGGCAGGAGATCCTGTGTGAAGACTGGGCTGGAGCATGTGGGGTGTCCAGTCCTG 573	7348
οy	1711	171	710
qq	57349 GGGTCTC	GGGTCTGAGGTGCCAGGGCAGTGTCAGGGGCTCCAGAGCCCAAGGGCCTGGCATGGAGCG 574	7408
Qy	1711	1710	7
Dp	57409 CCTGTG1	CCTGTGTGCACCAGGGCCTGTCTGCCCCTCAGGAACTCCGAGGGGCTTGCGGGCTAGACC 5740	7468
Qy	1711	1710	7
QQ	57469 AGTAGAA	AGTAGAAGAGGCGAGGATAGAGTTGGGGGTGGAACCTCCCACCTCCAGGAACTTTTGAGG 575	7528
Qy	1711	1710	7
QQ	57529 ATTTTGP	ATTTTGAGGGTTTTGACTATTCTGGAGAGAGAGAGAGAGA	7
Oy	1711	1710	710
qq	57589 CTGGGAC	CTGGGAGCTCTTGAGAGAAAATCCACCTCGTGGGGCTCAAGGGATTCAAAGGAGTTACT 576/	7
δy	1711	1710	710
QQ	57649 CTGCAGA	CTGCAGAGAGAGAGGGAGGGACACAGAAAGAGACAGGGATAGAAAGGGACAGAGAGGT 5770	7
οy	1711	1710	710
QQ	57709 GACAGTG	GACAGACTTTTCCAAGAAACCTGGGGCCCCTGTGACTAACTGCTGTGAATTTTC 5776	7
Óγ	1711	1710	710
qq	57769 TCAGIGO	CAGTGCTAATGGGAGGTTGGAAGCCCCGTGTTCGCCTGTGACAGAGCCTGGGTGAGACC 5785	7
Qy	1711	1710	710
QQ	57829 TGGGGCI	GGGGCTGAGGAGGCTGAGTTGGGGCCTCTGCACCTGCTGGGATGGGCATGTGGCC 5786	7888
Qy	1711	1710	710
οp	57889 CCTCCTI	CTCCTTGGTTGGGTGGGGTCTGTGGTGGTTGTGTGTGCAACCCCCTCAGTGTGGC 5794	7948
Qy	1711	SATCCCTCATGGAACCACCGGGTATACCGACTGGCCCTCGCCAAGCTC 175	759
qq	57949 TTCTTCC	58	8008
Qy	CCCCT	CTGTCATCCCTTCATGCCCTTCTTCTCAA	197
qq	58009 TCCCTC	CTGTCTCTCTTCTTCTTCTTCTTCTAAAGGTAACAGGGCTTCCTGCCTC 580	8908
Qy	1798	1797	197
QQ	58069 CATCCT	CCATTCCCCCCTTCCTGCCTCCATCCCCCATTTCCCCCTTCCTGCCTCCATCC 581	8128
οy	1798	1797	7
qa	58129 CCCATCCCAT	GCCTATCTGTGTGTGCACCCACTCTGTTGGAGAGATTATACCTCAAGTGC 581	8188
Qy	1798	1941	197
qq	58189 TGATGCC	CCTCAGGGAGTGCAGAGATGAATTAGGAGTTCTTAGACTGGAAGAATGAAGACAT 5824	æ
Qy	1798	1797	~
qa	58249 CCAGACAAAT	ACGGGCTGCCTTCAGGGCCTAAGAGATACAAGGAAATGCTGCTGGGGCTT 583	æ
Qy	1798	1795	7

q	58309 GGAGGGGCAGAGGCAGGGGCTCTATGGGGTGAGGTAGGCCCAAGGGAGCCGTTATGCCC 58368	
ò	1798 1797	
q	58369 TICACCITITCIGGGCIACAGGAGGCAGAAGITTGGGGACCIATGAACAAAACCCAICT 58428	59449 AAAGGTTGGGTTCCACAAAGGGGCATCAGTGCCTCCCTGACTACTCTCCTCCAGGGT
0y	1798AGACATGACCTTCATTCATGAGGGAAACCACACACTAGTGGAGAATCTCATCAA 1851	Oy 1995 CGGAGCACTCCTGAGCACTCCGGACTCCACCACGACCTGGGCTTATGTCCACCAGCTGA 2034
q	58429 CITICCAGACATGACCITCATTCATGAGGAAACCACACACACTGGGGGAATCTCATCAA 58488	であることでは、これでは、これでは、これでは、これでは、これでは、これでは、これでは、これ
oy og	1852 CTTTGAGAAGAT 1863 	59569 AGGTCATTGACAACCAGGGGAACTCTCCCGCCTCTCCCGAGGCTGGAGCCATGAGGG
ò		2115 GGGCTGGGACTGGAGCTGGAGCACGCATTGCAGCGGGAAAGCCAGGTGTGCCGGGCC
Q	58549 CATGACTGTGGCCTGGGAAGGGGCAGGGCTTGGAGGCTTAAACTTGTTATGAATAAT 58608	59629 GGGTGGGACTGGAGCTGGAGCACTTGCAGCCGGAAAGCCAGGTGTGCCGGGCC
0y	1864 1863	Oy 2.175 AAGATACTCACAGGCTGGCCACAGCTGGGCAAAGGCTCTCGGGGAGTGGACTCGAGTCCC 2.834 111111111111111111111111111111111111
qq	58609 ATGAGGATGAATACTTACTGTGTAATAGCCCCTGCCTTATTCCACTGCAACTGGGTCTGC 58668	プラン・1945) 1945 1945 1945 1945 1955 1955 1955 1955
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<u>8</u>	CAGGGIGCCAGCCTCAGACGICTCACCATICAACGAGAGCCCTICCAGCCCTCTICTCTCT	QY 2295 GGAGTGGACCCGAGCCAGGAATAACGAATGACCCAAGGCCAAGGAAGG
ò f	1864	Db 59809 GGAGTGGACCCGAGCAATAACGAATGACCCAAGGCCAAGGAGGAGGGAG
ò	91317399991393333331791791791791791791791791791791791791791	2355 GCCCCAGGAGTGGTGGGGGGGGGGGGGGGGGGGGGGGGG
q	58789 GGTGTGCTGAGGCGAAGTACACATGATGCCACATAACCAAGGATCTTACAGTCCCTGATC 58848	GCCCCAGGAGTGGGAGAGTGGAGTGCGCTGGGACGTTGTGTGTG
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q	58849 CTTGGTTCAGAGGGAGCTTGGCCTCCCTGCTGCACAGGGCAGGACAGGGTTTCTCCC 58908	59929 CACACCAGATGTCTTCCAGATTCTGTGCCTCTGGCTTTGTTGTCCCAGCCAG
ογ	1864	Qy 2424 2423 Dr. GOOOD MMXMMMMMAXAXAXAXAXAXAXAXAXAXAXAXXXXXXXX
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ò a	1890 TGCTGCACCACTGCCGAAGCCACAACCCT	GGGCAGGGCCTTGGCCTGGGCAGGGCCCCCTGCTTTCTTT
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ò	GTGCCTCTCTCACCACTCAGAAGCCGAGTTTCCCACCACGAGACAGCC	Qy 2424 2423
: 음	CCCCCCCATCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	60169 AACATAGTAGTATCTAGGCCAGCCCAGAGTGGGCGTGGCAGGGAGGCTGAGGCCCCG
ò	1971 AGGTGGCGAGGATTTCCACAT1991	Qy 24.24
a	59149 AGGTGGCGAGGATTTCCACATGTAGTGGTGGCGGTGGGTG	2424
δλ	1992 1991	60289 TCCAAGATCTGATGCCACCAAGATGTGCCTCCAAGGGCTCAAAGGGCGGGC
QQ	59209 CTTATGGTAGTTACCCATGCCTGGCACATCCTAGGCACTTGCCATGTGCCAGGCACGGAG 59268	10000000000000000000000000000000000000
δ		60349 GCCTGGAGCCCCTGTCAGCAGCCAGGGTGACCATCAGCTCCCCGTGGTGGTCCAAT
QQ O	59269 CCCGGCCCTTCCATACATGTTGATAATGTTCAGCCTCTGTGCTCTGAGCCAGGGGGC 59328	00 2424 2423
ŏ		Db 60409 AGGACTTTACAGTCCAGATGCAACTGACAGCTTCTTCCCAACTGCAATCCCCGCTTTTCC 60468
g	TCTTCGGTCCCCTCACCCGTGGGGTGGGCAGGGACAGCCGTCTTTAGGAATTGGTGGTGG	09 2424 2423
δλ	1992 1991	- Db 60469 ACACTTGAGCTCGTCCTGGCCTGTTGGGCCAGGCTTCTGGGGTTCTTCTGGGGGTGGCTTG 60528
q	59389 GAAGTGGTTGGTGGTGGTGGTGGCAAGAAGGCAGATGTGATATGGCTCCTTGGAGGGG 59448	-

qα	62689 AGGIGAAGTAACTGGATGTGTATCAGCCATGCCCTTTCCCCATGCCCCGGCACTCCCCA 62748	ť	
ò	2424 2423	Š i	
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δ	2424 2423	0y	
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ογ		Οy	
qa	62869 TGTAGGGGCTCTGTGAACAAGACAAAGGCCAGGTGCTGTGGCTGATGCCTGTAATCCCAA 62928	qa	CAGAAGAAGAAGGTTAAGGTCACAGTTTGGACCCACTTTTTGTGCTAGGAGGTGTG
ò	2424 2423	δ	
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δ	2424 2423	δ	
අු	63049 GTTGAAGTGGGGGGATCACTTGAGCCCAGGAGTTCGAGGTTACAGTGAGCTATAACTGCA 63108	qa	64129 TGGATCTTGGTTTTCTCACTGGAGTGAGTTGTAGGCAGCTAGAGCTGTTTTGGACTGCTG 64188
δ		Oy	
අු	63109 CTCGTCCTTTCTTTGGTTGACAGAAAGACTCTGTCTCTAAAAAAAGAAAAACCAAGAC 63168	qa	AATGGAGGGCTGTACTGGCTTTCCTGGCACTTAGGCGATCCTAGCTAG
0y	2424 2423	Qy	2424 2423
a	63169 TGGTAGTTCTGGCCCTCATGGGGTCAATCATCCAGCTAGGCAGGC	qa	64249 AGACAGGTGCCTTTTTAGGGGGCCCATGACAACAGGATATTTTAAGCTTACTTGACCACC 64308
δŎ		Óλ	2424 2423
· 6	AAAAGATGCCGAGGGATAAAGTCCAGAGAGAGAAAAA	qq	64309 CAGAAAAGTGCCCTGTCCACCAGAGTATAAGGCAGCATAGGTGGATCCCATAGGTGGGCA 64368
δÓ		ογ	2424
: <u>8</u>	CTTACCCCAAGCATTAAGGCCCAGAGCTGCTCCCGTTGGAAGCATAGGTTTAAGAGCCCAG	qa	64369 GTGTGCTGGGGCAGGGGGCCTCCATCTCTCAGCAGCCCTGGGCAAGGCAAGCGTTCC 64428
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ì	100710071007170707070707070707070707070	Qy	2424 2423
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g (GCACAAGCCACCTGAGTAGCAGGCAGGTATGGTGGCTGGTGGCTGCAGCAAATTCTGACC	٥y	2424 2423
ਤੌਂ ਹ		qq	64549 TCTTCCCCATGGTGGCTTCCAGCCGTGACTGCTCATGGGAGGGA
8	63469 TGGCAGTTGTCCTCAACCCCTTTCTCCCTTCCACAGACCTACAGGCCAGAAAGTACATGT 63528	ò	2424 2423
ò		: a	64609 CTGTTTTATTGGAGGGTTCTCAGAGCTCCCTACCCCTGAGTGTTGCTCCCTGCTACCTG 64668
qq	63529 CTTTCCAAAATGTGTCCTAGTACCCCAACCCACACTCAGTATTGAGCTCCTCCTACATCT 63588	ł	
δ	2424 2423	<u> </u>	
a	63589 GCCAGGCCATGGATCTATACTAAGTAAGTGTCCACCCAGGCCTGTCCAGTTGCTGCAGCC 63648	වූ	CTTGAGTGCATGACTGCCTTGCTACTCTTTGAGTTCTAGTTGTCAGTAGAAGGCCCC
ò	2424 2423	Ολ	
q	63649 AATTCAGGCACCCTCCTCTCAGATTCTGGACTCTTCAAGACCTGAGCTGTAGCCTTCCTG 63708	අු	1GTTATGTAGATACATAAGTTGGGAAGATTCTAATGGCCCAATTGTAGATTCTAATTAAT
δ	2424 2423	Qy	2424 2423
qq	CAACACACTGGCATCTGAGGGGGTGAAGGGGGCTTTGCAAGGGGGCATGA	qq	64789 ATTTCTAATGGTCACTTTTAAAAGAATAGAAAAAGAAGGCCTCGAGGCAATGGCATTAG 64848
3 2	013001900300300000000000000000000000000	Qy	2424 2423
;		q	64849 GGGAATTTAATGGCATGATCAGGTGGCAAGGTCCAGAGATGATTACTTAGGGTGGGAGAA 64908
gn	b3/b9 CCGTCCCTCCCAGTGATGATAAAACTGGATCATCCTGAGAAGCCGAGTCTGACTCAGCTG 63828		

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	64969 GCCAGITICACCCICICAGCGIIGCIGGGGCIGAGCCCIGCAGGAGCAACCIGIGIGCIG 65028	v	CAAAGTGCTGGGATTACAGGCGTAAGCCACCGGCCCAGCCACAGAACATTGTTAACATT
	2424 2423	Qy 2424	2423
	65029 GAGGGAGAGCCTGCACATGCAGGCTGGACTCTGGTGGCCCACGGAGAAGGTCAGCAATCT 65088	•	CATTITICAGGCTTTTCCTAACCATCCTATCTAAATTACGCCCTTCGTGGCCCTATTTT
	2424 2423		2423
	65089 CTGTTTCTCTCCGGTTCTTGACTTTGCACCAGGCAGCTGTGGATTATCTCATAAAT 65148	9	TTTTTTAACAACAACATCTGGCCTTATTTATTAGGCACTGTTCTAAAACCTCTGCAAGG
	65149 AGAGCACAAGGCTCAGGAGGCTGAGCCATGGAGTTGCTGCTCTTAGCTTAGCCCCATTGC 65208	•	ATTAACITATTCAATCCTCACCATAGCCCTCTAAGGTACTCTTACTTGTTCTATTTTAGA
	2424 2423	Qy 2424	2423
•	65209 AACITITAGCITCCCCCAGAGCAAAGCACTGTTCCTAAGGCTGCAGGCCACAGCCCCAGA 65268	6	TCTACGGGGGAAATTGAGGCACAGAGGGGTCAGGGAACTTGCCCCAGGATTGTACAGCTGG
	2424 2423	Qy 2424	2423
	65269 AAACAGGTGGTTCCTTTTGGCACCAAACCAGGTGAGTTAGACAGTGCGACTCATCAAAGG 65328	Db 66349	TGGGTGGCAGAGCTGGGATTCAAACCCAGGCAGGTTGGCTTTAGAATCAACAGTCTGAGC
	2424 2423	. Qy 2424	2423
	65329 GCCATCCCCAAGACTTGAAAATACCGAGGTGCACGTTTTTAAATGAAAATATTATCTT 65388	Db 66409	CICAIGICCIGCIGCCCAGAICIGGCIGIAGACGCICIIIAIIIA
	2424 2423	Qy 2424	2423
	65389 TGGAATTATAAAATAAATTACATTATAGAGACTGTAGATTAGAGGAGCTGCCACCTTC 65448	Db 66469	CCAGCTGCTGAGCTGCTCACCCTTTATCCACTTTGCTTATCACAGTGTCTGGCACACAGT 66528
		Qy 2424	2423
	TCACTATTGTCATTTTCAGAACTTTTTTTTTTTTTTTTGAGACGGAGTCTTGGTC	Db 66529	GGCATTCAAGTGCTATTTGTCAGGTGAATGAAGGAATGAAT
		Qy 2424	2423
	GCCCAGGCCGGAGTGCAGTGGCGCGATCTCAGCTCACTGAAAGCTCCACGGGTTC	DD 66589	ATAACCCAACTACCTTAGCACAATAATTATGGTAATTTTGACAGATTGTAGATTTCAAAT 66648
		Qy 2424	2423
	65569 ATGCCATTCTCCTGCTCAGTCTCCTGAGTAGCTGGGTCTACAGGCGCCTGCCACCC	Db 66649	CATGGGTCAGGAACCGCTCCTGCCAGTCCTGTTGTCCTGTCATCTTTGAGGCCAGAA 66708
	2424 2423		
	65629 CCAGCTAGTTTTTGTATTTTAGTAGATGGAGTTTCACCATGTTAGCCAGGATGGTCTC 65688	9	CAGCCCAGCTGTGCCAACATACCTGGGGCGAGAGGCAGCCCATGTTCCTCACGCCAGCGG
	2424 2423		
	65689 AATCICCIGACCICGIGAICIGCCIGCCITGGCCICCCAAAGIGCIGGGAITACAGGCAI 65748	w	TCAGCTGCGGGTTGGCCTCGGGCCTGTCTCTTGATCTCGCCCTTACTCACTC
	2424 2423		**************************************
	65749 GAGCCACTGCGCCCAGCCCAGAACACTTTTCTTTGTATTTTTTTT	w	GCTGTCTCTCTGAACCTCCTTATCGCTGTCTGCCTGTCTTGCCCACATCTCCTTGTTCTC
	2424 2423	Qy 2424	2423
	65809 AGACGGAGTCCTGTTCTGTTGCCCAGGCTGGAGTGCTGGTGAGATCTTGGCTTACTGC 65868	Dp 90	ATTGTGCCTCTAGACCCTCTTTAAAGCCAGTGGAGTTTGAGGACATGCAATAGTAATTTT
	2424 2423		
	65869 AATCICCACCICCCIGGITCCAGCGAITCICCIGICITAGCCICCCAAGIAGCIGGGAIT 65928	Db 66949	ATAATCATTACTGGGCAGTGTAAAACAAACATTAGCACAGGCTGGCAAAGAGTGTAGGCAG 67008
	*	Qy 2424	2423
	ACAGATGTGCATCACCCCCAGGCTACTTTTGTATTTTAGTAGAGATGGGTTTTTCAC	61009 da	ATGGTTCCTTTGGGATCCTAAAAAAGCAGGATACAGCTGAGATCTCTGTGACACTGTGGA 67068

Db 67	67069 TTCAGAAACTGCTGGAACTGTCCAGTCCCTGTGGTGGCTGCCCCTTGTAGGGGTGGTGCC 67128	es	ocal Similarity 16.2%; Pred. No. 4.5e-126;
0v 2	242	₩.	2433; Conservative 0; Mismatches
6	AAGGGTGGCTTGGGGGTTTAGGTCCTCCTAAATTTCCATTAGGCCCCCAACAAATACACAA 671	γο α	1 CAAGGATCCGATGGGTATATGGAGTCTGAGGTAATGGATCATTCAT
Oy 2	2424aaaaaaaa 2434 	γς G	61 GGGGTTTTGAGACCAGGGTTGGAAGAGTTCAGCACTGCTGGTGGTTTTGGGA
RESULT 3 AC004241 LOCUS DEFINITION ACCESSION VERSION	AC004241 HTG 04-APR-1998 Homes sapiens, *** SEQUENCING IN PROGRESS ***, 9 unordered pleces. AC004241 GI:3023023	Qy Db Qy	121 CCCATGTGCAGGCGACACATGAGGCAGTAAGGAACTCTGCAGGGGTCCCTGAGATTTGGA 180 11111111111111111111111111111111111
KEYWORDS SOURCE ORGANISM	<pre>HTG; HTGS_PHASE1. HOmo sapiens (human) HOmo sapiens Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhin1; Hominidae; Homo.</pre>	ଶ ଓ ଶ	52887 AATGTAGGGAAGAGCAATGGATTGAGGTCCGAACCTGCAGGATCTGCTATACGCAGAGCT 52946 241 GGGAGGAGGGACAGAGTCAGTACCAGAGTCGGAAAAAAGCAGGGTGGGAAGCGGAACCTG 300 11111111111111111111111111111111111
REFERENCE AUTHORS	<pre>1 (Dases 1 to 157404) Muzny,D., Arenson,A.D., Brundage,E., Carvelli,K., Chen,E., Di,W., Ding,Y., Dugan,S., Durbin,J., Forcum,J., Ganesh,R., Garcia,C., Goodman,M., Gorrell,J.H., Haywood,M., Jackson,L., Kampal,R.,</pre>	Qy Dp	301 AGTCAGGAGACTTGCCTGGCAGGCGCTGCCTGCCAGCAGAGGCCTGACAGTGGTTTCCA 360
	<pre>Karpathy, S., Leal, B., Li, Y., Liu, W., Logan, O., Lu, J., Ly, T., Martinez, C., Oswal, G., Percz, L., Rashid, N.D., Rowland, K., Savage, L., Scherer, S.S., Shen, H., Timms, K.M., Todd, J., Vo, Q., Worley, K.C., Yu, W., Chinault, C., Nelson, D. and Gibbs, R.A.</pre>	S S	361 TGAACTGCATCCCTGCTGGGCTGGGCCGCCCTGACAGTATCGGAGCACAGAA 420
JOURNAL JOURNAL REFERENCE AUTHORS	Direct Submission Unpublished 2 (bases 1 to 157404) Worley, K.C.	Qy	421 GGGGAAAGGAGAGGGATTCCAACTCTGCCAGTTAGCAGCTGTGTGCCTTTGGGCAT 480
₹	College of Medicine, One Baylor Plaza, Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA [WARNING] On Apr 13, 1998 this sequence was replaced by a newer	Qy	481 GTTACTTAACCTCTGAGCCTCATTTATTCATCCATAAAATGGAAATAAAAATS 540
	version 91:304026. No Apr 4, 1998 this sequence version replaced 91:3004524. NOTE: This is a 'working draft' sequence. It currently consists of 9 contigs. The true order of the places.	y d	541 TTTGTCAAAGGCCCATTGTGAATATTTAGATCCTCAGAATAATGCCTGGCTTGTAGCAA 600
	* Is not known and their order in this sequence record is * arbitrary. Gaps between the contigs are represented as * runs of N, but the exact sizes of the gaps are unknown. * This record will be updated with the finished sequence.	Qy Qp	601 ATGGTAGCTGGAGGAAAAGGAAAAACCAAAGTCAGCAGCTGAAGGATTTTCATATT 660
	* soon as it is available and the accession number will * be preserved. * 52081: contig of 52081 bp in length * 52082 52101: gap of unknown length	γο da	661 AGAACTGCTCTGGACCTATCTGGCAGATGCAGAAGCACACACA
	* 52102 92893: config of 40792 bp in length * 92894 92913: gap of unknown length * 92914 132793: config of 39880 bp in length * 132794 132813: gap of unknown length	Qy	721 TIGCCCGCCCTTAGACATGITGIGICTTCTCCTGGATCCTTGGTCCCAGGTGCCTTAGC 780
	152574 : CONTLIG 152575 152594 : CONTLIG 152595 154290 : CONTLIG 154291 154391 : Gap of	Qy Db	781 TGAGCTCAGGTGAATGTGGCAAGCAGCCCTCTGGTGGTGTGAATGCTGTGGCGCCC 840
	155296 155315: gap of 155296 155316 156019: conticut 156029: gap of 156039: gap o	oy Ob	841 GTGCTCCTGGTGACACAGGGACCTCACAATCCCTCCACGGTCTCCTCATGTCCT 900
FEATURES	* 1567 * 1567	Qy	901 CCCAGCCTTATTTCTCGTTCCTCTCCCCAGGCCCGGAACTTGCCTGTTTGGCTCC 960
	/organism="Homo sapiens" /mol_type="genomic DNA" /db_xref="taxon:9606"	λο qa	961 CAACCAGGACGCCCTTCCTGGCACAGCTGTGCCATCCAAGTTGGGGATAA 1014
BASE COUNT Query Match	45692	δλ	1015 1014

1015 1014 1014 1014 1014 1014 1014 1014 1015 1014 1015 1014 1015 1014 1015			***	
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		0H009H00a09H000A8HBH0a40H0400A8A00BB00A8H0HADABHAH7000H8A	Qy	
1071 TGACACCTCCGTGAGGGGGGGGGGGGGGGGGGGGGGGGG	u)	CTTCAGTCCCCTATGACATCTGCCGGCCAGACCACTCACT	qa	
		TGACAGOTTOCATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAAGAAGAAG	QY	
1111 GGCAGGTGGTGAAAGGTCAATTCTCCAGGT 1162 1162 1163 1161 1161 1161 1161 1161 1161 1162 1163 11	ш,		_{අධ}	
		COLUMNIA A CATALON COLUMNIA A CAT	δŏ	
1163			යි	
54207 AGGGAGGGTGGCCCCTCGGATCTGCGCCCCAGTCAAGATCATTGTCATCATT 54266 1163		C)))))COUTED 130000101101101010101010101010101010101	Qy	
1163	•		qq	
1163	n	AGGGAGGGTGGCCCCTCGGATCTGCGCCCAGGTCCCCCAGTCAAGATCATTGTCATTTT	Qy	
54267 GTCATCTTCTGGTCTTCTGGAATGATGGCTAGCATTAATGGGAGGTGGAGTGC 54326 1163			- 4	
GTCTGTTCGAAGTGCATTTCATGCAGTGTGTAAGAGCATGAGCTCTGGAGCCTGCTT 54386 GCATTCGGCACCAGCCTTTAGCTCACCATCTGTGTGTCCTCTGGCAGGGTACTTCATCC 5446 CTCTGTGCTCCAGTTTTATCATCCATAAAATGGAATAGTAGGAGTACTTGCCTCCTGGAG 54506 CTCTGTGCTCCAGTTTTATCATCCATAAAATGGAATAGTAGGAGTACTTGCCTCCTGGAG 54506 CTCTGTGCTCAGTTTTATCATCCATAAAATGGAATAGTAGAAGAGTACTTGCTCTTGCACATA 54566 GAATTGTGAGGATCAATTGATCATCATCATTTATCATTTAGAATTAATAATATAGA 54626 ATTAATAACAATACTAGAGTATTATTATCATCATTTTGTGTTTAGTCATTTAATATAGA 54666 ATTAATAACAAAGGGCATGAGTTATTATCATCATTTTGTGTTTTAGTCATTTGGAAC 54766 AGCTCAAAGGGCATGAGCTATTAGTCACCACAGTGAGAGTAGCTGGTCTTGGAAC 54866 TTAAGTAGTAGTTTGTTTAGTCACTCAGCAAACATTTTGAGGATCAGTAGAGCC 54806		GTCATCTTTCTGGTCTTCCTCAGTGTGAATGATGGCTAGCATTAATGGGAGGTGGAGTGC	2 :0	
54327 GTCTGTTCGAAGTGCATTTCATGCAGTGTGTAAGAGCATGAGCTCTGGAGCCTGTGTGTT 54386 1163			<i>S</i>	
1163		GTCTGTTCGAAGTGCATTTCATGCAGTGTAAGAGCATGAGCTCTGGAGCCTGCTGCTT	gr —	
54387 GCATTCGGCACCAGCCTTTAGCTCACCATCTGTGTGTCTCTGGCAGGGTACTTCATCC 5446 1163			QY	
1163		GCATTCGGCACCAGCCCTTTAGCTCACCATCTGTGTGTCTCTGGGCAGGGTACTTCATCC	qq	
54447 CTCTGTGCTCAGTTTTATCATCCATAAAATGGGAATAGTAGGGGGTACTTGCCTCGGAG 54506 1163			ζŏ	
1163		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	qa	
1163		CICLEGOCICAGE IIIAICAICCAIAAAAIGGGAAIAGIAGAGIACIIGCCICCIGGAG	Qy	
54507 GAATTGTGAGGATCAATTGAGTTCATCTATGAAAGCATTTAGAATGGTGCCGGCACATA 5456 1163			qq	
1163	L)	GAATTGTGAGGATCAATTGAGTTCATCTATGAAAGCATTTAGAATGGTGCCCGGCACATA	o v	
54567 GTGATACATAAGTATATATATATCATCATTTGTGTTTAGTCATTAATATGA 54626 1163		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	qd	
1163		GTGATACATAAGTATTAGCTGCTATTATTATCATCATTTGTGTTTAGTCATTTAATATGA		
54627 ATTAATAACAATCTCATGAGATACAGGTACTTTTATCCTATTTTCAGACAAGAACATGA 54686 1163			δō	
1163		ATTAATAACAATCTCATGAGATACAGGTACTTTTATCCTATTTTCAGACAAGAACACTGA	qa —	
54687 AGCTCAAAGGGCATGAGCTATTCCTCAAGCTCACAGTGAGAGTAGCTGGTCTTGGAAC 54746 1163 1162 54747 TTAAGTAGTCTTCATTTGTTTAGTCACTCAGCAAACATTTTTGAGGATCAGCTATGAGCC 54806 1163 1162			0y	
1163 1162 54747 TTAAGTAGTCTTCATTTAGTCACTCAGCAAACATTTTTGAGGATCAGCTATGAGCC 54806 1163		AGCTCAAAGGGCATGAGCTATTCCTCAAGCTCACAGTGAGAGTAGCTGGTCTTGGAAC	qa	
54747 TTAAGTAGTCTTCATTTGTTTAGTCACTCAGCAAACATTTTGAGGATCAGCTATGAGC 54806			٥y	
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1163	Lη	TTAAGTAGTCTTCATTTGTTTAGTCACTCAGCAAACATTTTTGAGGATCAGCTATGAGCC	Qy	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

οy	1163	1162
qa	54867	GAGCATAGACGGTGGACTCCCAGACCCGTGAAGGCATCTTAGGCTCACCATTTACTAGCT 54926
οy	1163	1162
QQ	54927	GTGTGATGCTGGGCAAGTTGCTTAACCTCTGTGAGGCTGCATTTCCTCACCTGTCAGATG 54986
Qy	1163	1162
QQ	54987	AGGACTGTAATTGTATCTACCCACAGGGTTGCAATGGCTAAGTGAGCTAATGTGTGTAAA 55046
٥y	1163	1162
qq	55047	GCACTTAGCACAGGGCCTGCCAGTCAGTGCTGAGAACATGGCGGGGTCAGGAGTATTAAG 55106
Qy	1163	1162
QQ	55107	ATGGGCCTCCAGAGAACCTGGAACATTCAAAACCACTGTTCTCTGCGGAGGGCACGGGCT 55166
QY	1163	1162
QQ	55167	TGACAGCTGGAACCCAGGGCAGACAAGAATTAGGGGGGGTTCAAGAAGTGGGGATGAGAAA 55226
Οy	1163	1162
Dp	55227	AGAAAAGCCTTCTCCCTTCAGGAAGTGGGGAGAGATGGTCACCTGTGTGCCCTGCCCTGG 55286
Οy	1163	1162
qq	55287	GAAGCACTGCCCTCTGCTGGCCACCTGGTGAGTTGCAGTTGCCCAAAGGTCATGTTTATT 55346
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Dp	55347	GAGACCCTACTATGTGCCAGGCACTGTTAGAGCACTGATCTCCGAAGCACTTGGATCGA 55406
Qy	1163	1162
qq	55407	CACCCATGTCAATAACCAACATTAAATTAAAACCCACACCCCACTGTGTGAATATTTGTT 55466
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Oy	1163	1162
qq	55587	TITCCCCAGGCACATGGATGATCTGATGTACCTTACTTTGGAGGCCACTGCTCTAGGGAC 55646
QY	1163	1162
QQ	55647	TGGGGACTCAAGCACAGTCCCAGTCCATGAGGAGCTGATGAAAATCAACACCAAGGCTTA 55706
QY	1163	1162
Db	55707	TATAAGACACTTCCCAATTTTCAAAGGGCTTTTATACATAGCATGTACTTATAGCTACTA 55766
Qy	1163	1162
Db	55767	TTTATATACATTATTTTATTTGACTTATGAAATAGTTGGGGCAAGTCTTATTGTCTCCAT 55826
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Db	55827	TTTACCAGGGAAGAAGTGAGGCTGAGGGAGGCTCAGACCCTGCCCCAGGTTCTTCCTGAC 55886
Qy	1163	1162
QQ	55887	TCACTGAGAATCTTTCCTCATCCTCTTGGATGTGCTTCCCTGGGCTGCGTGGCTGCGTGG 55946

1163		1570	Qy 1643 CTAGCCCACACCTGGG	1659AGCGGCTGCCTCACAAAGTCCGGAAGCTGTACTCCGCCTCGACAGGCTGC 57507 CCTTTCACAGCGCTGCTCACAAAGTCCGGAAGCTGTACTCCGCCTCGAGAGGCTGC 1710 T	Db 57567 TGGTGAGTGCTCCACCCTGCCTGGCTCGCTCTAGGATCAGCTGGGCTCGGCCTGC 57626 Oy 1711	57687 CAGGGTTCCCAACCTCGGCCCAGGGCCTAGCTCCAGCCTGTGAGTTTGGGGAGCTGGCTG	Qy 1711	1711 57927 CCTGTGTGCACCAGGGCCTGTCTGCCCCTCAGGAACTCCGAGGGGCTTGCGGGGTAGACC 1711	0y 1711 1710 Db 58047 ATTTGAGGGTTTTGACTATTCTGGAGAGAGAGAGAGAGAG
	1163	GATGCCCGTGGTGTGGCCACATCTCTGGGGCTCAATGAGCGTCTTTTTTTT	TTTGAGTGTGGCAGTGGATTCTGGGGAGGGTCCCCAGGGAGAAGAGGGAGG	AATTCCCAAGATAGTGCAGGGGCAGGGCTGGTAGCACTGGTTGGGAGCTCCCAAGGAGAA 	TCAGGACTGGGGAGCCCTATCCTCCAGCTGCTATAGCCCCTAGAGACCCTCTACTCCCCA	CCCTACCCTGTGCCTTTCCCTGGATTCCTCAGGCAGCCCCTGAGCACTCTCCCACCCGC -GATCCCACACCCTGACCAGTGGGGCCCACTGTGGGCTCTGCTGGGGCTGGACCTGG	TGAGTGCCAAGGACCTGGCAGGCCGGACCACGACTGGAGCCTCTCAACAGTA		TTCAATGAGCTGCAGTACTGGGTGGCCACCGAGCTGTGTCTCTGCCCCGTGCCCGGCCCCC

1711 1710 1710 1710 1710 1710 1710 1710 1711 1711	,	1864	59247 TAAGCCTTTCTCTCTGGCCTCTGCCTTCTGTCCTCTGCTGGTCCCCGCTGGGCCTCTG 593	1864	59307 GGTGTGCTGAGGCGAAGTACACATGATGCCACATAACCAAGGATCTTACAGTCCCTGATC 593	1864	Db 59367 CTTGGTTCAGAGGGAGCTTGGCCTCCTGCTGCACAGGGCAGGGAGGG	59427 TCAGGCAAGACTTATGCCCCGGTGTTGTCCGCAGACAATGATGCCCAGAGCCGCGGGA 59	1890 TGCTGCACCACTGCCGAAGCCACACCCT		1919 19	59547 CCCCCACCTACATCCTCTGTGAGGCTCCAGGGTGGCCCTGACTCCATGACCCCTCCCA 5	Qy 1919GTGCCTCTCACACTCAGAAGCCGAGTTCCCACCTCCAGGACAGCC 197	1971 AGTGGGGAGGATTCCACAT	59667 AGGTGGCGAGGATTTCCACATGTAAGTGGTGGGCGATGGTGGGTG	75.5 C4.5 C4.5 C5.5 C4.5 C5.5 C5.5 C5.5 C	12/60		1992	Db 59847 TCTTCGGTCCCTCACCCGTGGGGTGGGCAGGGACAGCCGTCTTTAGGAATTCGTGATGG 59906	Qy 1992 1991	Db 59907 GAAGTGGTTGGTGGTGGAGGGCAAGAAGGCAGATGTGATATGGCTCCTTGGAGGG 59966	1992	59967 AAAGGITGGGITCCACAAAGGGGCATCAGTGCCTCCCTGACTACTCCTCCTCCACCAGGCT 60	OY 1995 CGGAGCAGTCCTGAGCACCCGGAGTCCAGCCAGCACTAGGCTTATGTCCAGCAGCTGA 2054	2055 AGGTCATTGACAACCAGGGGAACTCTCCGGCGCTCTCCCGAGAGCTGGAGGCATGAGGAG	DD 0008/ AGGICATIGACAACCGGGAACICICCGGCTCTCCCGAGAGCTGGAGCCATGAGGG 0014 OV 2115 GGCTGGGACTGGAGTGGAGTGGAGTTGGAGCTAGGAAGCCAAAGGTGGGGCC 2174		2175 AAGATACTCACAGGCTGGCCACAGGTGGGCAAGGTTCCGTGGAGTGGAGTGGAGTCGCAGAGTCCC	60207 AAGATACTCACAGGCTGGCCACAGGCCAGGCCATCCGTGGAGTGGACTCGAGGCCCC 22	2235 IGGAGCAGGCAGTGTGGAGCCAGCCATCCCCTGTGATGACTGGCAGCTAAGGAGGACCTC 229	Db 60267 TGGAGCAGGAGTGGAGGCAGCCATCCCCTGTGATGACTGGCAGCTAAGGAGGACTC 6032
	TTACT 5816		58226		5828	;	5834		2255		CCTC	GCTC	1797	1797	ATCC 5864	;	GTGC	:	ACAT	1797	1797	GCCC 5888	1	ATCT 5894	TCAA - -	L.	AGGA	:	TAAT	:	CTGC	

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Goodman, M., Gorrell, J.H., Haywood, M., Jackson, L., Kampal, R., Karpathy, S., Leal, B., Li, Y., Liu, W., Logan, O., Liu, J., Ly, T.,		TITLE Direct Submission JORNAL Unpublished	DEFERENCE 2 (bases 1 to 157699) WOTHONS WORLDY, K.C.	Direct Submission Submitted (28-FEB-1998) Molecular and Human Genetics, Bay		version g1:2994/4. On Mar 21, 1998 this sequence version replaced gi:2960506.	* NOTE: This is a 'working draft' sequence. It currently * consists of 11 contigs. The true order of the pieces	* is not known and their order in this sequence record is * arbitrary. Gaps between the contigs are represented as	* This record will be updated with the finished sequence.	* as soon as it is available and the accession number will * be preserved.	52104:	92397: gap of	132297: gap of	148241: contig 148261: gap of	152451: gap of	152452 154147; contig 154148 154167; gap of	154884: contig 154904: gap of	155610 155629: gap of		157056: gap of	15/05/ Loce	source 1.120099 /organism="Homo sapiens"	/mol_type="genomic DNA" /db_xref="taxon:9606"	40749 a 53009 C 54439 g 40/30 C 204	Ouery Match 95.0%; Score 2312.4; DB 9; Length 157699; Best Local Similarity 16.2%; Pred. 0. 4.5e-126; Matches 2433; Conservative 0: Mismatches 1: Indels 1584: Gans 12.	1 CAAGGATCCGATGGGTATATGGAGTGTGAGGTAATGGATCATTCAT	61 GGGGTTTTGGAACAGGGTTTGGAAGAGGTTCAGCACTGCTGGTAGTTTTGGGAATCA 120 	121 CCCATGTGCAGGCGACACATGAGGCAGTAAGGAACTCTGCAGGGGTCCCTGAGATTTGGA 180	181 AATGTAGGAAGAAGAATGAATTGAGGTCCGAACCTGGAGGATCTGCTATACGCAGAGCT 240	GGGAGGAGGACAGATCAGTACCAGAAAAAAAGCAGGTGGGAAGGGAACCTG
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5452 TGACAGCTGGGAACCCAGGGCAACAACAATATAAGGGGCGTTCAAGAAGTGGGGGATGAACAAA 1163

1711	CATCCCTCCATTCCCCCCTTCCTGCCTCCATCCCCCATTTCCCCCTTCCTGCCTCCATCC	58132 CCCATCCCATGCCTATCTGTGTGTGCACCCACTCTGTTGGAGAGTTATACCTCAAGTGC 58191	58192 TGATGCCTCAGGGAGTGCAGAGTTGAATTAGGAGTTCTTAGACTGGAAGAATGAAGACAT 58251	CCAGACAAATACGGGCTGCCTTCAGGGCCTAAGAGATACAAGGAAATGCTGCTGGGGCTT 58	1/3/ 58312 GGAGGGGCAGAGGCAGGGCTCTATGGGGTGAGGTAGGCCCAAGGGAGCCGTTATGCCC 58371	1798 1797 1797 1797 1797	AGACATGACCTTCATTCATGAGGGAAACCACACATAGTGGAAATCTCATGAA	1852 CTTTGCAGACATGACCTTCATTGAGGGAAACCACACACAC		1864	1863	58612 ATGAGGATGAATACTTACTGTGTAATAGCCCCTGCCTTATTCCACTGCAACTGGGTCTGC 58671 1864	CAGGGTGCCAGCCTCAGACGTCTCACCATTCAACGAGAGCCCTTCCAGCCCTCTTCTCTC	1864 1863 58732 TAAGCCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCCCCCTGGGCCTCTG 58791		GGTGTGCTGAGGCGAAGTACACATGATGCCACATAACCAAGGATCTTACAGTCCCTGATC	1864			1890 TGCTGCACCACTGCCGAAGCCACACCCT
6 8 6 8 6	S & S	do yo	do Qy	a :	ζς α <u>α</u>	δ f	6 6	8 ò	: d	QQ Dp	δ	do Vo	qa	Oy Op	Qy	අු .	ý f	3 8	qq	oy G
56812 AAGAATCTCAATTCCTTCTTTGCCGTCATGTTTGGCCTCAGCAACTCGGCCATCAGCCGC 56871 1643 CTAGCCCACCCTGGG	1659AGCGGCTGCCTCACAAAGTCCGGAAAGCTCTCCGCCCTCGAGAGGCTGC 1709	TGGTGAGTGCTCCACCCTGCCCTGGCTCTGCTAGGATCAGCTGGGCTCGGCCCTGC	CCTCCAGACACCCTCACTCTTGGCTTCCCTGCAGCCCCTCTACTCGTCCTTTGTCACTTT	57172 CAGGGTTCCCAACCTCGGCCCAGGCCTAGCTCCAGCCTGTGAGTTTGGGGAGCTGGCTG	1711 1710 57232 AGGAAGGGGTGTTCACCACTAGGATAGGGGTTGCACGGTGCATCTGGCCCTCAGTGTGT 57291		57292 GCATGGGGCAGGAGATCCTGTGTGAAGACTGGGCTGGAGCATGTGGGTGTCCAGTCCTG 57351	57352 GGGTCTGAGGTGCCAGGGCAGTGTCAGGGGCTCCAGAGCCCAAGGGCCTGGCATGGAGCG 57411	1711 1710 57412 CCTGTGTGCAGCGCCTGCCCCTCAGGAACTCCGAGGGGCTTGCGGGCTAGACC 57471	1711 1710		ATTTTGAGGGTTTTGACTATTCTGGAGAGAGAAGCAGAGAAGAAGGTACTTCATCAGCATAGC	1/11		57652 CTGCAGAGAGAGAGAGGAGGGACACAGAAAGAGAGAGGGATAGAAAGGGACAGAGAGGT 57711 17111710	57712 GACAGTGACAGACTTTTCCAAGAAACCTGGGGCCCCTGTGACTAACTGCTGTGAATTTTC 57771	1711 1710	TCAGTGCTAATGGGAGGTTGGAAGCCCCGTGTTCGCCTGTGACAGAGCCTGGGTGAGACC	1711 1710 1710 1710	CCTCCTTGGTTGGGTGTGTGGTGGTTATGGTGTGTGTGTG
9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6	2 d d	2 A 3	8 3	Q Q	δ	d o	QQ	6 6	Ş	8 8	g 5	25 25	ð	8 8	qq	ò	QQ (දු ද	oy op

ý á	. 6	Db 60112 AGCAGG	AGCAGGCAGTGGGGGCTGCGGGGGTGGTCCCTGAGGAGCTTTATTGTTACTGTC 60171
3 3	9054 CULUMACULUTETETETETETETETETETETETETETETETETETET	Qy 2424	2423
<u></u>	1919GIGCCITCICACCACTCAGAAGCCGAGTTICCCACCTCCACGAGGACAGCC 1970 59092 CCCCCGCAGTGCTTCTCCACTCACAGGGGGAGTTTCCCACTCCACTCAAGAAAGCC 59151	Db 60172 AACATAO	AACATAGTAGTATTTCCAGGCCAGCCCAGAGTGGGCGTGGCAGGGAGGCTGAGGCCCCG 60231
. 2	ACGRACA CARATTER CONTINUE	Qy 2424	2423
ž 8		Db 60232 CCTCTG	CCCTCTGGGAAGGAGCTGTGGAGGAGAAGCAGCCCCATGCTGGGCACGGGCCAGACTGGG 60291
ΛO	1992	Qy 2424	2423
7 A	212 CTTATGGTAGTTACCCATGGCTGGACACCTAGGCACTTGCCATGTGCCAGGACGAG	Db 60292 TCCAAG	TCCAAGATCCTGATGCCACCCAGATGTGCCTCCAGGGTCTGGCCAAAGGGCGGGC
δy	266	Qy 2424	2423
qq	59272 CCCGGCCCTTCCATACATGATGATAATGTTCAGCCTCTGTGCTCTGAGCCAGGGGGC 59331	Db 60352 GCCTGG	GCCTGGAGCCCCTGTCAGCAGCCAGCGTGACCATCAGCTCCCCGTGGTGGTCCAAT 60411
δ	2	Oy 2424	2423
QQ	59332 TCTTCGGTCCCCTCACCCGTGGGGTGGGCAGGCACCGTCTTTAGGAATTGGTGATGG 59391	Db 60412 AGGACTS	AGGACTTTACAGTCCAGATGCAACTGACAGCTTCTTCCCAACTGCAATCCCCGCTTTTCC 60471
ογ		Oy 2424	2423
' අ	2 GAAGTGGTTGGTGGTGGTGGGGCAAGAAGGCAGATGTGATATGGCTCCTTGGAGGG	Db 60472 ACACTTC	ACACITGAGCTCGTCCTGGCCTGTTGGGCCAGGCTTCTGGGGGTCTTCTGGGGGTGGCTTG 60531
οy		Qy 2424	2423
. 유	2 AAAGGTTGGGTTCCACAAAGGGGCATCAGTGCCTCCCTGACTACTCTCCTCCACCAGGCT	Db 60532 TGATAGA	TGATAGAAACAATGCTGAAGCTTCCGCGGAGAGCCCGTCGCTTGTTGAGGCCCAACAGAC 60591
0	1995 CGGAGCAGTCCCTGAGCACCAGAGTCCAGCCAACCACCTAGGGCTTTATGTCTCTAGCACTTGA 2054	Qy 2424	2423
7 A		Db 60592 TTCCAGG	TTCCAGGAAATCAGGGTTTATCATCAGTGTTGAGAATGGTCCCAGCAAGCTCTGGTCATA 60651
ò	5 AGGTCATTGACAACCAGGGAAACTTCTCCCCCCCCCCCC	Qy 2424	2423
7 A		Db 60652 CGAAGTC	CGAAGTCCTCTCTCCCTGCCCCTTCAGCACTTCCCCTAGGAACCAGCTACTGCCAGGAC 60711
è	では、このでは、このでは、このでは、このでは、このでは、このでは、このでは、この	Qy 2424	2423
6 B	2 GGGCTGGGAACTGGAGCTGGAGCACTTTTTTTTTTTTTT	Db 60712 GCCTCT1	GCCTCTTGCGAGGCAGAGCTCACCCAGGAAGCTCCAGGGACTCCACCCTCTTGCCTTGCT 60771
ò	75 AAGATACTCACAGGCTGGCCACAGCTGGGCAAAAGCTTCTCCCGGGCAAAGCTTCTCCCCC	Qy 2424	2423
7 A	2 AAGATACTCACAGGCTGGCCACAGCTGGGCAAGGCTCTCCGTGGAGTGGACTCCAGTCC	Db 60772 ATTGCCC	ATTGCCCTGAGTCCTGGCAGCAGGAGGCACTTGTCTGGCCAGAGAGAAGTCATGGCCC 60831
ò	35 TGGAGCAGCAGTGTGAGGGGAGCCAGCCATCCTTCTTCATCATCACCAGCTAAACAACAACAACAACAACAACAACAACAACAACAACA	Qy 2424	2423
; 음	752 TGGAGCAGCCAGCGAGCCAGCCATCCCCTGTGATGACTGGCAGCTAAGGACGCACCTAAGGACCACCTAGTGTGATGACTGGAGCAGCACCCATCCCCTGTGATGACTGGCAGCAGCACCCATCCCCTGTGATGACTGGCAGCACCCCTGAGGACGACCACCATCCCCTGTGATGACTGGCAGCAGCACCACCATCCCCTGTGATGACTGGCAGCACCACCACCATCCCCTGTGATGACTGGCAGCACCACCACCACCATCCCCTGTGATGACTGGCAGCACCACCACCACCACCACCACCACCACCACCACCA	Db 60832 CTGGCAI	CTGGCATGACTCCTGAGTAGGTATTGAGGCTGCAGGGCCTTGGGCGTCCAGAGGCAGCTG 60891
ò	95 GGAGTGGACCCGAGCCAGGAATAACGAATGACCCAAGGCCAAGGAAGG	Qy 2424	2423
. q	12 GGAGTGGACCCGAGCCAGGAATAACGAATGACCCAAGGCCAAGGAAGG	Db 60892 GTATGGC	GTATGGCCCCTCTGCACTTCAGCCCCCATGGATGTGGATACACAGGCCTGCTGCTTCCAGA 60951
ò	2355 GCCCCAGGAGTGGAGTGGAGTGCGCTGGGACGTTGTGTGCAATAGAGAGGTCTC 2414	Qy 2424	2423
i qa		Db 60952 AAGGGTC	AAGGTCAGAGCCTTTAGCAGGGAGGCAGCACAGCTGGGCTTAGACCTCAGGTCACTAAG 61011
0,		Oy 2424	2423
qq	 CAGATGTCTTCCAGATTCTGTGCCTCTGGCTTTGTTGTCCAGCCAG	Db 61012 TGAATCT	TGAATCTGAGCAAGTCAGTGAACAGTTCTCTTCCTTCATTTCTCCACCTGTAAGCCAGGT 61071
۸٥		Oy 2424	2423
q	92 TTATTTTCACAGTGGACAGAGAGAGAGAGAGGCTGCATGTGTGTACGTGTGGAA	Db 61072 ATGATAA	ATGATAAACGCCATACAGCGCTTAGTGACAAAACAGTAAAACTGTAGCTCCTGCCTCTGT 61131
ò	767	Qy 2424	2423
. d	5.3 GGGC A GGGC CTTGGGGC A GGGGC CCC TTTTC TTTTC A GCTTTTTC A A CCTTTTC A A CCTTTTTC A A C	Db 61132 AGCAGAG	AGCAGAGGTGACAGCCAAGGGCAGTCCTGTGCTATCCAGGCCTGGTAGGGGGGCAGCCTC 61191
}	0012 GOGCHBOOCCIIGGCCTIGGGCCAGGGCCCCCTGCTIICTIICCACAGCTTICTTCCAAC	Qy 2424	2423
Š	24.24		

q a	61192 GCCTCAGTTGAGGGCTGAGGGAGAGACTGAGGTGCAGCAGATGGCAGTGGTAACCAAACC 61251	Οχ 2424 2423
S 8	61252 AGTTCCCTTGCCGTGGGGGGACAPCGAGGAGCAACGAACAAACAAAAAAAAAA	Db 62332 AAAAGGAAGGCAGAGCCTGAGATCCGGCACCCCATCCCCCTCCACTCAGCACTGAGTTAG 62391
. ;	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Qy 2424 2423
S 2	6134 CASTACTACTACTACTACTACTACTACTACTACTACTACTACT	Db 62392 AGCTGGGTGGGGGCATGTCTGCCTTCACACGCTGCCTTATGGCTTCTGTGTCTCCAACAG 62451
ò		Qy 2424 2423
QQ	61372 CCATTGTCTGCTGGTGTCTCGGCAAAAGCCAGCCAGCCGTGGCCCTTCACCGTTCT 61431	62452 CCCTCAGCCTCTGGCTGCTCCTTCCCAATAGTCACAAGATTTACCATGATAATAG
δ	2424 2423	2424
QQ	61432 TCAGACTCTAGGGTGAGCCCAGCGACCAACAACAAAACCAAGTGCCACGGGGCCG 61491	62512 GTTAAGACTTGAATGGTGTTTTCATCTTTCATCTTCACCTGTCTCACGTTACGTTA
ΟŸ	2424 2423	2424
qq	61492 GTGTCCTCCACCAGCATTTCTCCTCTGGTCACATCTACGTCCTGATGGGACTTCTCCCTC 61551	62572 TITTTATCCTGATGACAGAATAGGTACTACAGGTATTTTTACTCTGGTTTTACAGTCAAA
οy	2424 2423	2424
qq	61552 CTCCTTGGACCATCAGCTTTACAGTCCAGACCACCCTGCAGCCACCCGGTGGTCTCCCCAG 61611	62632 GAAACTGAGGCACAGGCTTTGCCCAAGGTCACATAACTGCTTAATAGCAGGGTAGAC
ογ	2424 2423	2424
D D	61612 CTGCCCCAGTCTCGGGCAGGATGGCTTTTGAGCCTGTTGGGAGAGCCTTGCCAGGAGAA 61671	AGGTGAAGTAACTGGATGTGTATCAGCCATGCCCTTTCCCCATGCCCCGGCACTCCCCCA
ολ	2424 2423	Оу 2424 2423
q	61672 TGGTGCCCAGGCAGGCAAGAGACACAGACTCTGGGAGCTAGAAGAGTTGCGGCCCAGG 61731	Db 62752 TGACAGCTCTCTGAATCCCAACATTTTATTCTTTTGCAGGATTAGACCCAAGCATATAAA 62811
'n	2424 2423	Ογ 2424 2423
QQ	61732 GGGCCAGGCCACTCCCAGAGGACAGGAGGCCCCAAAAGCGGGGAAAGGCTCCATGTTACGG 61791	Db 62812 TTCCTTTTTCCCTCTCTCCATTCCCACATTCTTTATTTTCACGTACTTACT
ò	2424 2423	Ογ 2424 2423
q	61792 TGGCCCCATGCTGGGAGTTTGTGCTGCCTTCTGTCTCCCTGACTGCCCAAGCGTGGGGTG 61851	TGTAGGGGCTCTGTGAACAAGACAAAGGCCAGGTGCTGTGGCTGATGCCTGTAATCCCAA
ö		Qy 2424 2423
QQ	61852 GTGTGGGGCAGGAGCCATCCTCGGTGTTCCCTAGCAGCCCCAGGCTGTGTGCAGGGGCTC 61911	TGCTTTGGGAGGCTAGGCATTTGAGACCAACCTGGGTAACAAAGCAAGACCCGGTCTCTA
ŏ	2424 2423	Oy 2424 2423
qq	61912 CCATTTTGTGTCTCAGCTGCAAGAAGGCCACAAAGGGAGGAGGGGCTCATGGGACTGCTG 61971	Db 62992 TAAAAAATAAAAATTACCCGGGTATGGTGGTGTGCACCTGTAGTCCTAGCTACTTGGGAG 63051
ò	2424 2423	Qy 2424 2423
. q	AGAAGAAGGTGTGCAGAAAGGGAGTGTGGCCCTAAGATCAGTCCTTTAAAAAAGCCTCTGTT	GTTGAAGTGGGGGGATCACTTGAGCCCAGGAGTTCGAGGTTACAGTGAGTTATAACTGCA
ογ	2424 2423	2424
Q Q	62032 ACCTGAAAGGAGGTCAAGCAGAGGAATGGCTGCGTGTGTCTACCGGGCAGGACAG 62091	63112 CTCGTCCTTTCGTTGGTTGACAGAAAGACTCTGTCTAAAAAAAA
οy	2424 2423	Oy 2424 2423
qq	62092 GACAGAGGGAGGTCATTGTTACACACATCCCCCTCCTTTCCTCCTTCCCCCTCCACTT 62151	Db 63172 TGGTAGTTCTGGCCCTCATGGGGTCAATCATCCAGCTAGGCAGCCAAGACTATCAGTAAC 63231
'n	2424 2423	Ογ 2424 2423
g	62152 CCCTGTGAAGGCCTGAGGCAGGCTGTGGCCAGGCTCAGGCCCTGACTGTGGGGTACACAC 62211	Db 63232 AAAAGATGCCGAGGGATAAAGTCCAGAGCAGCAGAATCCCAGGGGTGCAGCATCTCAGTG 63291
λ̈́o		Оу 2424 2423
q	62212 CAGGGAGGCCACGCCTCCCCACAGACGGGTGGGACTGGTCAGTGGAGCCAGCACCTCT 62271	Db 63292 CTTACCCCAAGCATTAAGGCCCAGAGCTGCTCCCGTTGGAGCATAGGTTCATAGCCCCAG 63351
Vo	2424 2423	Ογ 2424 2423
- සු	62272 GCTGCTTCAGCATCTCCGCCTGGAGCCAGCTGTCCCCTCTCTCT	Db 63352 CTCCCCTGAGCCTGCACGCTCTGTCCCCTGAGATGGGGATGCTCTCCACTCATCACTG 63411

Qy	2424 2423	
QQ	63412 GCACAAGCCACCTGAGTAGCAGGCAGGTATGGTGGTGGTGGCTGCAGCAAATTCTGACC 63471	DD 0449Z AICIAIGAAITIGGCAACICAGGGIGICAAAAGGGGAAGGGGGIGIAGGCCCCTTTAAGCA 04551
Qγ	2424 2423	
đ	63472 TGGCAGTTGTCCTCAACCCCTTTCTCCCTTCCACAGACCTACAGGCCAGAAGTACATGT 63531	64352 TCTTCCCCATGGTGGCTTCCAGCCGTGACTGCTCATGGGAGGGA
QY	2424 2423	2424
qq	63532 CTTICCAAAATGTGTCCTAGTACCCCAACCCACACTCAGTATTGAGCTCCTCCTACATCT 63591	64612 CTGTTTTATTGGAGGGGTTCTCAGAGCTCCCTACCCCTGAGTGTTGCTCCCTGCTACCTG
٥y	2424 2423	2424
qq	63592 GCCAGGCCATGGATCTATACTAAGTAAGTGTCCACCCAGGCCTGTCCAGTTGCTGCAGCC 63651	Db 64672 CTTGAGTGCATGACTGCCTTCTACTCTTTGAGTTCTAGTTGTCAGTAGAAGGCCCC 64731
ογ	2424 2423	
QΩ	63652 AATICAGGCACCCTCTCAGATICTGGACTCTICAAGACCTGAGCTGTAGCCTTCCTG 63711	64732 TGTTATGTAGATACATAAGTTGGGAAGATTCTAATGGCCCAATTGTAGATTCTAAFTAAT
ογ	2424 2423	2424
QQ	63712 CAACACAGICIGGIGGCAICIGAGGGIGAAGGGGCITGCAGGCCAGGGCACGGGIGACIG 63771	64792 ATTTCTAATGGTCACTTTTAAAAGAATAGAAAAGAAGAGCCTCGAGGCAATGGCATTAG
QY	2424 2423	Qy 2424 2423
QQ	63772 CCGTCCCTCCCAGTGATAAAACTGGATCATCCTGAGAAGCCGAGTCTGACTCAGCTG 63831	64852 GGGAATTTAATGGCATGATCAGGTGGCAAGGTCCAGAGATGATTACTTAGGGTGGGAGAA
Qy	2424 2423	Qy 2424 2423
qq	63832 CACTTAGAAAGAGTCTTCTCCCCATGCCTGGGGGCCTTCCTGGAGCAGGTGCCTCGATG 63891	Db 64912 TGTTACAGGGGTCCTGGGACACAGGGCATCCAGGGTGGGAATCAGAGGAGAGGTAGGT
٥y	!	Оу 2424 2423
QΩ	63892 GGGTCAGGGGAGGATGCTCCTGGTGGTAGCTGGTAGAACACAGAGGAGGCTGGTGACTCC 63951	Db 64972 GCCAGTITCACCCTCTCAGGGTTGCTGGGGGCTGAGCCCTGCAGGAGCAACCTGTGTGTG
γo		Qy 2424 2423
qq	63952 CAGAAGAAGACAGAAGGTTAAGCTCACAGTTTGGACCCACTTTTTGTGCTAGGAGGTGTG 64011	Db 65032 GAGGGAGACCTGCACATGCAGGCTGGACTCTGGTGGCCCACGGAGAAGGTCAGCAATCT 65091
οy		Qy 2424 2423
qq	GGATTCTGGTTGTGCATGTGTGTGACTGTGACCAGTGTGCACCCTGGACCAGGGAGC	Db 65092 CTGTTTCTCTCGGTTCTTGACTTTGCACCAGGCAGTGTGTATCTCAAAAT 65151
οχ		Qy 2424 2423
QQ	64072 IGGAIGCITCAGGCITCACCCIGACICIGCCITGCITTGGCCCITGGAGAGCACT 64131	Db 65152 AGAGCACAAGGCTCAGGAGCCTGAGCCATGGAGTTGCTGCTCTTAGCTTAGCCCATTGC 65211
δλ		Qy 2424 2423
qa	TGGATCTTGGTTTTCTCACTGGAGTGAGTTGTAGGCAGCTAGAGCTGTTTTGGACTGCTG	Db 65212 AACTTTAGCTTCCCCAGAGCAAAGCACTGTTCCTAAGGCTGCAGGCCACAGCCCCAGA 65271
Qy	;	Qy 2424 2423
qo	64192 AATGGAGGGCTGTACTGGCTTTCCTGGCACTTAGGCGATCCTAGCTAG	65272 AAACAGGTGGTTCTTTTGGCACCAAACCAGGTGAGTTAGACAGTGCGACTCATCAAAGG
Qy	2424 2423	
qq	64252 AGACAGGGTGCCTTTTTAGGGGGCCATGACAACAGGATATTTTAAGCTTACTTGACCACC 64311	Db 65332 GCCATCCCCAAGACTTGAAAATACCGAGGGTGCACGTTTTTTAAATGAAAATATTTT 65391
οy	;	Qy 2424 2423
q	64312 CAGAAAAGTGCCCTGTCCACCAGAGTATAAGGCAGCATAGGTGGATCCCATAGGTGGGCA 64371	Db 65392 TGGAATTATAAAATAAATTACATTATAGAGACTGTAGATTAGAGGAGCTGCCACCTTC 65451
δλ		Qy 2424 2423
qq	64372 GIGIGCIGGGGCGAGGGGGGCCICCAICTCICAGCAGCCCIGGGCAAGGCAA	Db 65452 TCACTATTGTCATTTTCAGAACTTTTTTTTTTTTTTTAGACGGAGTCTTGCTCTGTC 65511
δ	!	Oy 2424 2423
qq	TCTCCCTGGGCCTCACTTTCCCCCATTTAGAAACAGGAATTTGGATGAGAAGTGTTTGAGG	Db 65512 GCCCAGGCCGGAGTGCAGTGGCGCGATCTCAGCTCACTGAAAGCTCCACCTCCCGGGTTC 65571
ōy.	;	Oy 2424 2423

	Db 66712 CAGCCCAGCTGTGCCAACATACCTGGGGCGAGGCCAGCCCATGTTCCTCACGCCGG 6677.
65632 CCAGCTAGTTTTTGTATTTTTAGTAGATGGAGTTTCACCATGTTAGCCAGGATGGTCT 65691	Qy 2424 2423
AATCTCCTGACCTCGTGATCTGCCTTGGCCTCCCAAAGTGCTGGGATTACAGGCAT	Db 66772 TCAGCTGCGGGTTGGCCTCGGCCTGTCTCTCTTGATCTCGCCCTTACTCACTC
2424 2423	2424
65752 GAGCCACTGCGCCCAGCCCAGAACACTTTTCTTTGTATTTTTTTT	DB 66832 GCTGTCTCTGAACCTCCTTATCGCTGTCTGCCTGTCTTGCCATCTCCCTTGTTCTC 66891
2424 2423	518 5 ATTERCONCINCTARANCE ACTEGACTINGAGGACATICGATTATATIT
65812 AGACGGAGTCCTGTTCTGTTGCCCAGGCTGGAGTGTGAGATCTTGGCTTACTGC 65871	7070
2424 2423	5121 66952 PTAATCATTACTGGGCAGTGTAAAACAACATTAAGGACAGGTGGAAAGAGGTGTAGGCAG
65872 AATCTCCACCTCCTGGTTCCAGCGATTCTCCTGTCTTAGCCTCCCAAGTAGCTGGGATT 65931	7,700
2424 2423	0) 2424 0) 57012 APCCPPTOTHERE ABABACTERE ABABACTERE ABATTERE ACTION APCTER A 57071
65932 ACAGATGTGCATCACCACGCCCAGCTACTTTTTGTATTTTTAGTAGATGGGTTTTCAC 65991	10010101010101010101010101010101010101
2424 2423	VXXXIII VXIII VXII
65992 CATGITGGCCAGGCGGGTCTTGAACTCCTGACCTCAGGTGATCTGCCTGC	Đ
2424 2423	**************************************
66052 CAAAGTGCTGGGATTACAGGCGTAAGCCACGGCGCCAGGACCATTGTTAACATT 66111	6/132 AAGGTGGCTTGGGGGTTT
2424 2423	2424AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
66112 CATTITICAGGCTTITCCTAACCATCCTATCTAAATTACGCCCTTCGTGGCCCTATTIT 66171	Db 67192 TATAGCTAAAAAAAA 67209
2424 2423	RESULT 5
66172 TTTTTAACAACAACATCTGGCCTTATTTATTAGGCACTGTTCTAAAACCTCTGCAAGG 66231	AC004241
2424 2423	Homo sapiens, *** Sequencing in AC004241
66232 ATTAACTTATTCAATCCTCACCATAGCCCTCTAAGGTACTCTTACTTGTTCTATTTAGA 66291	ACOU4 HTG;
2424 2423	ns (human) ns
66292 TCTACGGGGGAAATTGAGGCACAGAGGGGTCAGGGAACTTGCCCCAGGATTGTACAGCTGG 66351	Euk Pri
2424 2423	AUTHORS Muzny,D., Arenson,A.D., Brundage,E., Carvelli,K., Chen,E., Di,W.,
66352 TGGGTGGCAGAGCTGGGATTCAAACCCAGGCAGCTTGGCTTTAGAATCAACAGTCTGAGC 66411	Goodman, M., Gorrell, J. H., Haywood, M., Jackson, L., Kampal, R.,
2424 2423	Narpathy, S., Leal, B., Li, Y., Liu, W., Logan, O., Lu, J., Ly, T., Martinez, C., Oswal, G., Perez, L., Rashid, N.D., Rowland, K.,
66412 CTCATGTCCTGCTGCCCAGATCTGGCTGTAGACGCTCTTTATTTA	Savage, L., Scheref, S.S., Shen, H., Tinms, K.M., Todd, J., Vo, U., Worley, K.C., Yu, W., Chinault, C., Nelson, D. and Gibbs, R.A.
2424 2423	
66472 CCAGCTGCTGAGCTGCTCACCCTTTATCCACTTTGCTTATCACAGTGTCTGGCACACAGT 66531	CE 2 (bas RS Worley,
2424 2423	JOURNAL Submitted (28-FEB-1998) Molecular and Human Genetics, Baylor
66532 GGCATTCAAGTGCTATTTGTCAGGTGAATGAAGGAATGAAT	COLLEGE Of Medicine, One Baylor Plaza, Houston, TX //UJU, USA COMMENT [WARNING] On Apr 4, 1998 this sequence was replaced by a newer
2424 2423	version g1:3023023. On Apr 1, 1998 this sequence version replaced g1:2995474.
66592 ATAACCCAACTACCTTAGCACAATAATTATGGTAATTTTGACAGATTGTAGATTTCAAAT 66651	* NOTE: This is a 'working draft' sequence. It currently consists of 10 contigs. The true order of the pleces
2424 2423	* is not known and their order in this sequence record is * arbitrary. Gaps between the contigs are represented as
66652 CATGGGTCAGGAACGGCTCCTGCCAGTCCTGTTTCTCTGTCTTACATCATCATCAGAGGCCCACAA 66711	* runs of N. but the exact sizes of the gaps are unknown. * mais record will be undated with the finished sequence

qa :	GCATTCGGCACCAGCCCTTTAGCTCACCATCTGTGTGTCTCTGGCAGGGTACTTCATCC	Qy 1163 1162
<u> </u>		Db 55527 TTGATGGAGTAGAAATGCAAAGCAGGTAGAAAAGTAAAGGTAAGTAGAAGAGCTCATAT 55586
3 .	CICIGIGCICAGITITAICAICCATAAAATGGGAATAGTAGGAGTACTTGCCTCCTGGAG	Qy 1163 1162
è 8		Db 55587 TTTCCCCAGGCACATGGATGATCTGATGTACCTTAGATGAGGCCACTGCTCTAGGGAC 55646
3 8		Оу 1163 1163
qq	GTGATACATAAGTATTAGCTGCTATTATTATCATCATTTGTGTTTAGTCATTTAATATGA	Db 55647 TGGGGACTCAAGCACAGTCCCAGTCCATGAGGAGCTGATGAAAATCAACAACCAAGGCTTA 55706
0y		1163
QQ	54627 ATTAATAACAATCTCATGAGATACAGGTACTTTTATCCTATTTTCAGACAAGAACACTGA 54686	55707 TATAAGACACTTCCCAATTTTCAAAGGGCTTTTATACATAGCATGTACTTATAGCTACTA
δ	1163 1162	1163
q	54687 AGCTCAAAGGGCATGAGCTATTCCTCAAGCTCACAGTGAGAGTAGCTGGTCTTGGAAC 54746	55/6/ TITATATACATTATTTTGACTTATGAAATAGTTGGGGCAAGTCTTATTGTCTCTAT
δ	1163 1162	1103
qq	54747 ITAAGTAGTCTTCATTTGTTTAGTCACTCAGCAAACATTTTTGAGGATCAGCTATGAGCC 54806	55827 TTTACCAGGAAGAAAAGTGAGGCTGAGGAGGTCAGACCCTGCCCAGGTTCTTCCTGAC
õ	1163 1162	1163
g	54807 AGCAATAIGITAGGAGCIGGAGATACCACAGGTAAAACAGGICAGCITGAIGGITAA 54866	55887 TCACTGAGAATCTTTCCTCATCCTCTTGGATGTGCTTCCCTGGGCTGCGTGGCTGCGTGG
õ	1163 1162	1163
qq	54867 GAGCATAGACGGTGGACTCCCAGACCCGTGAAGGCATCTTAGGCTCACCATTTACTAGCT 54926	GCACATGCACCTGTGTATTCTGAGCACCACCCAGGACTTCAACCCCGCTACTAGGAGAAA
δ	1163 1162	Qy 1163 1162
qq	54927 GIGIGAIGCIGGGCAAGTIGCTIAACCICIGAGCCIGCATITCCICACCIGICAGAIG 54986	CAACCTCTCAGCCTCCCAAACAGCACCTCCACCTGGCATCCAGCTGGTCCCCGGCCTCC
ογ	1163 1162	1163
q	54987 AGGACTGTAATTGTATCTACCCACAGGGTTGCAATGGCTAAGTGAGTG	56067 CTCCCTTCCCCCAGTCCGCCTCTGCTGTTTGCAGATGCCATTGGCCTGCAGCCA
õ	1163 1162	1184 GATGCCGTGGTGGCCACATCTCTGGGGCTCAATGAGCGTCTCTTTGTTGTCAACCCA
q	55047 GCACTTAGCACAGGGCCTGCCAGTCAGTGCTGAGAACATGGCGGGCTCAGGAGTATTAAG 55106	56127 GATGCCCGTGGTGTGGCCACATCTCTGGGGCTCAATGAGCGTCTCTTTGTTGTCAACCCA
δ	1163 1162	1244 CAGGAAGTGCATAAGCT
a	55107 ATGGGCCTCCAGAGAACCTGGAACATTCAAAACCACTGTTCTCTGCGGAGGGCACGGGCT 55166	5018/ CAGGAAGTGCATGAGGTGGTAGGGACCAGGGTGCCAGGGCCCAGGGAGGAGATCTA 5
δ	1163 1162	1261
qq	55167 TGACAGCTGGAACCCAGGGCAGACAAGAATTAGGGGCGTTCAAGAAGTGGGGATGAGAAA 55226	56247 TTTTGAGTGTGGCAGTGGTGGATTCTGGGGAGGGTCCCAGGGAGAAGAGGGAGG
δy	1163 1162	UV 56307 CHACATHARACHARACHARACHARANACHARANACHARANAGACHARANAGACHARANAGAGA 56386
qq	55227 AGAAAAGCCTTCTCCCTTCAGGAAGTGGGGAGAGATGGTCACCTGTGTGCCCTGCCTG	
ò	1163 : 1162	TOPT
g	55287 GAAGCACTGCCCTCTGCTGGCCACCTGGTGAGTTGCAGTTGCCCAAAGGTCATGTTTATT 55346	55367 AATTCCCAAGATAGTGCAGGGCAGGGCTGGTAGCACTGGTTGGGAGCTCCCAAGGGAA 5
ò	1163 1162	1971
qq	55347 GAGACCCTACTATGTGCCAGGCACTGTTAGAGCACTGATCTCCGAAGCACTTGGATCGA 55406	Db 56427 AGAGGAGGACCTGCCCTAGTTAGGGGTTCCCCAGGAGACAGGAGCCCAAAAGGAGGGGTC 56486
ογ	1163 1162	Oy 1261 1260
q	55407 CACCCATGTCAATAACCAACATTAAATTAAAACCCACACCCCACTGTGTGAATATTTGTT 55466	Db 56487 TCAGCACTGGGGAGCCCTATCCTCCAGCTGCTATAGCCCCTAGAGACCCTCTACTCCCCA 56546
ŏ		Qy 1261 1260
qq	55467 TGTAAGTAATACACATATATTACTACATTAATATAATAAAGATAGAT	Db 56547 CTCCTGCCCTCCTAACCCTCCTAACACGAGCATAGAGTCCTTGCCCCAACCCTCTC 56606

δ	1261 1260	
1		57687 CAGGGTTCCCAACCTCGGCCCAGGGCCTAGCTCCAGCCTGTGAGTTTGGGGAGCTGGCTG
3		1711
ΟŸ	1319	
QQ	56667 AGATCCCACACCTGACCAGCTGGGGCCCCACTGTGGGCTCTGCTGAGGGGCTGGACGGGCTGG 56726	5//4/ AGGAGGGGGGGTGTTCAGCACTAGGGTTGCACGGTGCATCCTGGCCCTCAGTGTGT 5/805
å	13:00 00:01 1	1711 1710
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ογ	1380 TCCA 1383	GGGTCTCAGGTGCCAGTGTCAGTGTCAGTGTCAGTGTCAGGGCCTTCGAAGGGACCTTGGAAGGAA
QQ	56787 TCCACCAGGTATGGGAGGCAGAGCTGGGGGAGGAGCAGCGGGGGGGG	
Qy	TGTG 1408	
QQ	56847 GCTCAGCACTCGCTGACCTCTGCTGACCCCACCCAGGTGGAGCTGATCCACTATGTG 56906	CCTGTGTGCACCAGGGCCTGTCTGCCCCTCAGGAACTCCGAGGGGCTTGCGGGCTAGACC
ó	1409 CTGGGCCCCCAGCATCTGCGGGATGTCACCACCGCCAACCTGGAGCGCTTCATGCGCCCA 1468	1711 1710
o qa		57987 AGTAGAAGAGGCGAGGATAGAGTTGGGGGGGGAACCTCCCACCTCCAGGAACTTTTGAGG 58046
οy	3000	1711 1710
g		58047 ATTTGAGGGTTTGACTATCTGGAGAGGAGGAGGAGGGAGG
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i	7 OCCOOCAROCAGO CONTOCARON AND AND AND AND AND AND AND AND AND AN	58107 CTGGGAGCTCTTGAGAGAAATCCACCTCGTGGGGCTCAAGGGATTCAAAGGAGTTACT 58166
3 8	CONCECTACIONI CANTARACI GOLOGOCOCCANI OMOI CON OTOMOI CON OTOMO CON OTOMOI CON OTOMOI CON OTOMOI CON OTOMOI CON OTOMO CONT	1711 1710
Š 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	58167 CTGCAGAGAGAGAGGGAGGGACACAGAAAGAGACAGGGATAGAAAGGGACAGAGAGGT 58226
QQ	57087 GTAGGGCGTGGCCAGAGTCCCCCCGGCTACCTTTTCCTAAGCCCCCCTCTTTGCTTAGTA 57146	
οy	1570 1569	
qq	57147 TGTTGCCAAATCTGCCACCCTATTTGTTCCCTGGGTCCCCTGGAGCCTCTGCCTTCCCAC 57206	GACAGTGACAGACTTTTCCAAGAAACCTGGGGCCCCTGTGACTAACTGCTGTGAATTTTC
Oy	1570 1569 Qy	1711 1710
qq	57207 CCCATCCAGCTTGGATCTCTGCAGAGGCTGGCCTGGCTGTTGTCTGGGGGGCACTGTAGGG 57266	58287 TCAGTGCTAATGGGAGGTTGGAAGCCCCGTGTTCGCCTGTGACAGAGCCTGGGTGAGACC 58346
Qy	1570CCTCAAGGAGCAG 1582 QY	1711 1710
Op	57267 GIGGCTGCTTCCCTTACCCTGAGGGTCTCTGGGTCTTCTGCTCACAGCCTCAAGGAGCAG 57326 DD	58347 TGGGGCTGAGGAGAGGCTGAGTTGGGGCCTCTGCACCTGCTGGGATGGGCATGTGGC 58406
Οy	1583 AAGAATCTCAATTCCTTCTTTGCCGTCATGTTTGGCCTCAGCAACTCGGCCATCAGCCGC 1642	1711 1710
qq		58407 CCTCCTTGGTTGGGTCTGTGGTGGTGTTATGGTGTGTGCAACCCCTCAGTGTGGC 58466
δy		1711GGATCCCTCATGGAACCACGGGTATACCGACTGGCCCTCGCCAAGCTC 1759
QΩ		TTCTTCCCCTAGGATCCCTCATGGAACCACGGGTATACCGACTGGCCCTCGCCAAGCTC
Qγ	1659 1658 1658 Qy	TCCCCTCTGTCATCCCCTTCATGCCCCTTCTTCTCAA
QQ	57447 GGCCCTCCTGGGAGTGCTGGATGGGGCTGGGCTCCCCCAGAGCAGCCGCTCATCTGCCT 57506	TCCCCTCTGTCATCCCCTTCATGCCCCTTCTTCTAAAGGTAACAGGGCTTCCTGCCTC
Οy	1709	
ορ	57507 CCTTTTCACAGCGCTGCCTCACAAAGTCCGGAAGCTGTACTCCGCCCTCGAGAGGCTGC 57566	58587 CATCCCTCCATTCCCCCCTTCCTGCCTCCATCCCCCATTCCCCCTTCCTGCCTCCATCC 58646
δ		1798 1797
д	 TGGTGAGTGCTCCACCCTGCCCGGCCTGGCTCTGGATCAGGTGGGCTCGGCCCTGC	58647 CCCATCCCATGCCTATCTGTGTGTGCACCCACTCTGTTGGAGAGATTATACCTCAAGTGC 58706
ò		1798 1797
: 음	CCTCCAGACACCCTCACTTGGCTTCCCTGCAGCCCCTCTACTCGTCCTTTGTCACTTT	58707 TGATGCCTCAGGGAGTGCAGAGATGAATTAGGAGTTCTTAGACTGGAAGAATGAAGACAT 58766
Qy		1798 1797

58767 CCAGACAAATACGGGCTGCCTTCAGGGCCTAAGAGATACAAGGAAATGCTGCTGGGGCTT 58826 1798	δ	1992 1991
GGAGGGGGCAGAGGCAGGGGCTCTATGGGGTGAGGTAGGCCCAAGGGAGCCGTTATGCCC	qa -	GAAGTGGTTGGTGGTGGAGGCAAGAAGCAGATGTGATATGGCTCCTTGGAGGGG
1798 1797	yo t	1992
58887 TTCACCTTTTCTGGGCTACAGGAGGGCAGAAGTTTGGGGACCTATGAACAAAACCCATCT 58946	3 8	をおおらい 1 いららら 1 しくじろくしかかい こうじゅうしゅう 1 でんり でくてん じんくし ひかくし かくし かくし ひという しゅうしょ しゅうしょ しんしょ しんかん しゅうしゅう かんしゅう アン・ファン・ファン・ファン・ファン・ファン・ファン・ファン・ファン・ファン・ファ
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CTTTGAGAAGAT	δλ	AGGTCATTGACAACCAGCGGGAACTCTCCCGCACTCTCCCGAGAGCTGGAGCCATGAGGAG
	a ::	60087 AGGTCATTGACAACCAGCGGGAACTCTCCCGCCTCTCCCGAGAGCTGGAGCCATGAGGAG 60146
1864 1863	දු ද	GOOGLIGGGAATTIGGAAGTTGGAAGTTGGAACLCGGGAAAGCCAGGGGTGTGCCGGGCCCCGGGAAGCCAGGGGTGTGCCGGGCCCCGGGAAGCCAGGGGTGGAAGCCAGGGGGGGG
59067 CATGACTGTGGCCTGGGAAGGGGCAGGGCTTGGAGCTTAAACTTGTTATGAATAAT 59126	l ò	AAGATACTCACAGGCTGGCCACAGCTGGGCAAGGCTCTCCGTGGAGTGGACTCGAGTCCC
	qa	7 AAGATACTCACAGGCTGGCCACAGCTGGGCAAGGCTCTCCGTGGAGTGGACTCGAGTCCC
5912/ AIGAGGAIGAATACTTACTGTGTAATAGCCCCTGCCTTATTCCACTGCGACTGGGTCTGC 59186	VO.	2235 TGGAGCAGCAGTGTGGAGGCAACCCCTGTGATGACTGGCAGCTAAGGAGGACCTC 2294
1803 59187 CAGGGTGCCAGCCTCAGACGTCTCACCATTCAACAGAGCCCTTTCAGCCCTTTTTTTT	qa	60267 TGGAGCAGCCAGTGGAGGCAGCCATCCCTGTGATGACTGGCAGCTAAGGAGGACCTC 60326
	γ̈́ο	GGAGTGGACCCGAGCCAGGAATAACGAATGACCCAAGGCCAAGGAAGG
59247 TAAGCCTTTCTCTCTGGCCTCTGCCTTCTGTCCTGCTGGTCCCCGCTGGGCCTCTG 59306	q 0	GGAGTGGACCCGAGCCAGGAATAACGAATGACCCAAGGCCAAGGAAGG
1864 1863	δ,	GCCCCAGGAGTGGGTGGAGTGGAGTGCGCTGGGACGTTGTGTGCAATAGAGAGGTCTC
59307 GGTGTGCTGAGGCGAAGTACACATGATGCCACATAACCAAGGATCTTACAGTCCCTGATC 59366	g :	
1864 1863	Š 2	2413 CACACCAGA
59367 CITGCTTCAGAGGGAGCTTGGCCTCCCTGCTGCACAGGGCAGGACAGGGTTTCTCCC 59426	3 8	***************************************
GAGAATGATGGCCAGAGCGCGGGAATGATGATGATGATGAGCCGCGGGAATGATGATGATGATGATGATGATGATGATGATGATG	S 8	2424
TCAGGCAAGAGCTTATGCCCCGGTGTTGTCCGCAGAATGATGGCCCAGAGCCGCGGGA	δλ	2424 2423
1890 TGCTCCACCACTGCCGAAGCCACAACCCT	qa	60567 GGGCAGGGCCTTGGCCTGGGGCCCCCCTGCTTTCCTTTC
10010010001000010000000000000000000000	'n	2424 2423
CCCCCACCTACATCCTCTGTGAGGCTCCAGGGTGGCCCTGACCTCCATGACCCCTCA	qa	60627 AGCAGGCAGGGGGTGGGGGCCTGTGCGGTGGTCCCTGAGGAGCTTTATTGTTACTGTC 60686
GTGCCTCTCTCACACTCAGAAGCCGAGTTTCCCACCTCCACGAGACAGCC	Qy	2424 2423
CCCCCGCAGTGCCTCTCTCACCACTCAGAAGCCGAGTTTCCCACCTCCACGAGGACAGCC	qq	AACATAGTAGTATGTTCCAGGCCAGCCCAGAGTGGGCGTGGCAGGGAGGCTGAGGCCCCG
	٥٨	2424 2423
	qa	60747 CCCTCTGGGAAGGAGCTGTGGAGGAGAAGCAGCCCCATGCTGGGCACGGGCCAGACTGGG 60806
	Qy	2424 2423
CTTATGGTACTTACCCATGGCTGGCACATCCTAAGGCACTTGCCATGTGCCAGGAG	qa	60807 TCCAAGATCCTGATGCCACCCAGATGTGCCTCCAGGCTCTGGCCAAAGGGCGGGC
	Qy	2424 2423
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	qa	60927 AGGACTTTACAGTCCAGATGCAACTGACGTTCTTCCCAACTGCAATCCCCGCTTTTCC 60986
59847 TCTTCGGTCCCCTCACCCGTGGGGTGGGCAGGGACAGCCGTCTTTAGGAATTGGTGATGG 59906		

δy	2424 2423	,	
qq	60987 ACACTTGAGCTCGTCCTGGCCTGTTGGGCCAGGCTTCTGGGGTCTTCTGGGGGTGCTTG 61046		
٥y	2424 2423	2424	
Ob	61047 TGATAGAAACAATGCTGAAGCTTCCGCGGAGAGCCCGTCGCTTGTTGAGGCCCAACAGAC 61106	Db 62127 CTGCCCCAGTCTCGGGCAGGATGGCTTTTGAGCCTGTTGGGAGAGACCTTGCCAGGAGAA	A 62186
οy	2424 2423	Oy 2424	. 2423
đ	61107 TICCAGGAAATCAGGGTTTATCATCAGGGTGGGGAAGGTCCCAGCAAGCTCTGGTCATA 61166	w	
οy	2424 2423	2424	
QQ	61167 GGAAGTCCTCTTCCTGCCCCTTCAGCACTTCCCCTAGGAACCAGCTACTGCCAGGAC 61226	Db 62247 GGGCCAGGCCACTCCCAGAGGACAGGAGGCCCCAAAAGCGGGGAAAGGCTCCATGTTACGG	62306
٥y	2424 2423	2424	
qq	61227 GCCTCTTGCGAGGCAGAGCTCACCCAGGAAGCTCCAGGGACTCCACCCTCTTGCCTGCT 61286	v	
Qy	2424 2423	2424	
Dp	61287 ATTGCCCTGAGTCCTGGCAGGAGGCACTTGTCTGGCCAGAGAGAACTCATGGCCC 61346	Db 62367 GTGTGGGGCAGGAGGCATCCTCTGGTGTTCCCTAGCAGCCCAGGCTGTGTGCAGGGGCTC	62426
ογ	2424 2423	Qy 2424	2423
Ор	61347 CTGGCATGACTCCTGAGTAGGTATTGAGGCTGCAGGGCCTTGGGCGTCCAGAGGCAGCTG 61406	Db 62427 CCATTTGTGTCTCAGCTGCAAGAAGGCCACAAAGGGAGGAGGGGCTCATGGGACTGGTG	62486
δ		Qy 2424	2423
o Q	GTATGGCCCCTCTGCACTTCAGCCCCATGGATGTGGATACACAGGCCTGCTGCTTCCAGA	Db 62487 AGAAGAAGGTGTGCAGAAAGGGAGTGTGGCCCTAGATCAGTCCTTTAAAAAGCCTCTGTT	62546
δý	1	Qy 2424	2423
, d	AAGGTCAGAGCCTTTAGCAGGGAGGCACACACTGGGCTTAGACCTCAGGTCACTAAG	Db 62547 ACCTGAAAGGAGGTCAAGCAGAGGAATGGCTGCGTGTGTGT	62606
ò	!	Qy 2424	2423
o qa	TGAATCTGAGCAAGTCAGTGAACAGTTCTCTTCTTCTTCTCCCTGTAAGGCAGGT	Db 62607 GACAGAGGAGGTCATTGTTACACACACCCCCCCCCCTTCCTT	62666
ò		Qy 2424	2423
: a	ATGATAAACGCCATACAGCGCTTAGTGACAAACACATAAAAACTGTAGCTCCTGCCTCTGT	Db 62667 CCCTGTGAAGGCCTGAGGCAGGCTGTGGCCAGGCTCAGGCCCTGACTGTGGGGGTACAÇAC	62726
δy		Qy 2424	2423
QQ	61647 AGCAGAGGTGACAAGGGCAGTCCTGTGCTATCCAGGCCTGGTAGGGGGGGCAGCCTC 61706	Db 62727 CAGGGAGGGCCACGCCTCCCCACAGACGGGGTGGAGTGGTCAGTGGAGCCAGCACCTCT	62786
δλ		Qy , 2424	2423
d d	61707 GCCTCAGTTGAGGGCTGAGGGAGACTGAGGTGCAGGTGGCAGTGGCAGTAACCAAACC 61766	Db 62787 GCTGCTTCAGCATCTCCGCCTGGAGCCAGCTGTCCCCTCTCTCT	62846
οχ		Qy 2424	2423
q	61767 AGTTCCCTTGCCGTGGGTGGGGACACAGGAGAAGCATCTGGAACTGAGCAAT 61826	Db 62847 AAAAGGAAGGCAGAGCCTGAGATCCGGCACCCCATCCCCTCCACTCAGCACTGAGTTAG	62906
QY	2424 2423	Qy 2424	2423
qq	61827 CAGGACAGGACGCTCAAGCCTGGGTGAGTCAGGAGTCCGGGGGCCTTTCTTT	Db 62907 AGCTGGGTGGGGGATGTCTGCCTTCACACGCTGCCTTATGGCTTCTGTGTCTCCAACAG	62966
Οy		Qy 2424	2423
qq	61887 CCATTGTCTGCTGGTGTCTCGGCAAAAGCCAGCCAGCCGTGGCCCTTCACCGTTCT 61946	Db 62967 CCCTCAGCCTCTGGCTCCTCCCTTCCCAATAGTCACAAGATTTACCATGATAATAG	63026
Qy		Qy 2424	2423
Db	61947 TCAGACTCTAGGGTGAGCCCAGCCAAGAAACAAAACCAAGTGCCACGGGGGCG 62006	Db . 63027 GTTAAGACTIGAATGGTGTTTTCATCTTCTTCATCTTCACCCTGTCTCACGTTACGTTA	63086
δλ		Qy 2424	2423
ďΩ	62007 GTGTCCTCCACCAGCATTTCTCCTCTGGTCACATCTACGTCCTGATGGGACTTCTCCCTC 62066	Db 63087 TTTTTATCCTGATGACAGAATAGGTACTACAGGTATTTTACTCTGGTTTTACAGTCAAA	63146
ογ		Qy 2424	2423
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<u>م</u> :	63147 GAAACTGAGGCACGGCAGGTTTGCCCAAGGTCACATAACTGCTTAATAGCAGGGTAGAC 63206	Qy 2424 2423
à i		Db 64287 CCGTCCCTCCCAGTGATAAAACTGGATCATCCTGAGAAGCCGAGTCTGACTCAGCTG 64346
දු	63207 AGGTGAAGTAACTGGATGTGTATCAGCCATGCCCTTTCCCCATGCCCCGGGACTCCCCA 63266	FC PC PC PC
ò	2424 2423	
qq	63267 TGACAGCTCTCTGAATCCCAACATTTTATTCTTTGCAGGATTAGACCCAAGCATATAAA 63326	64347 CACTTAGAAAGAGTCTTCTCCCATGCCTGGGGGCCTTCCTGGAGCAGGTGCCTCGATG
ογ	2424 2423	2424
q	63327 TICCTITITICCCICTCICCATICCCACATICTITIATTITICACGIACTIACIAIAGGCCT 63386	GGGTCAGGGGAGGATGCTCCTGGTAGCTGGTAGAACACAGAGGAGGCTGGTGACTCC
ογ	2424 2423	Oy 2424 2423
qq	63387 TGTAGGGGCTCTGTGAACAAGACAAAGGCCAGGTGCTGTGGCTGATGCCTGTAATCCCAA 63446	64467 CAGAAGAAGACAGAAGGTTAAGCTCACAGTTTGGACCCACTTTTTGTGCTAGGAGGTGTG
ò	2424 2423	2424
g	63447 TGCTTTGGGAGGCTAGGCATTTGAGACCAACCTGGGTAACAAAGCAAGACCCGGTCTCTA 63506	GGATTCTGGTTGTGTGTGTGTGTGGACTGTGACCAGTGTGCACCCTGGACCAGGGAGC
ογ	2424 2423	2424
Q	63507 TAAAAAATAAAATTACCCGGGTATGGTGGTGCTGCACCTGTAGTCCTAGCTACTTGGGAG 63566	Db 64587 TGGATGCTTCAGGCTTCACCCTGACTCTGCCTTGCTCTTGGCCCTTGGAGAGCACT 64646
ò		Oy 2424 2423
; a	GTTGAAGTGGGGGATCACTTGAGCCCAGGAGTTCGAGGTTACAGTGAGCTATAACTGCA	Db 64647 TGGATCTTGGTTTTCTCACTGGAGTGAGTTGTAGGCAGCTAGAGCTGTTTTGGACTGCTG 64706
ò		Oy 2424 2423
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ìè		Оу 2424 2423
;		Db 64767 AGACAGGGTGCCTTTTTAGGGGGCCATGACAACAGGATATTTAAGCTTACTTGACCACC 64826
3	1661A611C166CCC1CA166GG1CAA1CATCCA6CTAG6CAGCCAAGACTATCAGTAAC	Qy 2424 2423
ογ	2424 2423	Db 64827 CAGAAAAGTGCCCTGTGTACAAAGGCAGCATAGGTATAAAGGTATAAGGTGTAGAAAGGTATAAAGGTGAAAAGGTATAAAGGTATAAAGGTATAAAGGTATAAAGGTATAAAGGTATAAAGGTATAAAGGTATAAAGGTATAAAGGTATAAAGGTATAAAAGGTATAAAAGGTATAAAAGGTATAAAAGGTATAAAAGGTATAAAAGGTATAAAAGGTATAAAAGGTATAAAAGGTATAAAAGGTATAAAAGGTATAAAAGGTATAAAAGGTATAAAAGGTATAAAAGGTATAAAAAA
g	63747 AAAAGATGCCGAGGGATAAAGTCCAGAGCAGCAGCAGCCCAGGGCTGCAGCATCTCAGTG 63806	70,70
ογ	2424 2423	h7 h7
q	63807 CTFACCCCAAGCATTAAGGCCCAGAGCTGCTGGAGCATAGGTTCATAGCCCCAG 63866	64887 GIGIGCIGGGCAGGGGGCCICCAICICAGCAGCCCIGGGCAAGGCAAGCGCTICC
ŏ	2424 2423	Oy 2424 2423
qq	63867 CTCCCCTGAGCCCTGCACAGCTCTGTCCCCTGAGATGGGGGATGCTCTCCACTCACAG 63926	Db 64947 TCTCCCTGGGCCTCACTTTCCCCATTTAGAAACAGGAATTTGGATGAGAAGTGTTTGAGG 65006
ò		Оу 2424 2423
q	63927 GCACAAGCCACCTGAGTAGCAGGCAGGTATGGTGGCTGGTGGCTGCAGCAAATTCTGACC 63986	atctatgaatttggcaactcagggtgtcaaaaggggaaggggtgtaggccctttaagca
ŏ	2424 2423	2424
q	63987 TGGCAGTTGTCCTCAACCCCTTTCTCCCTTCCACAGACCTACAGGCCAGAAGTACATGT 64046	Db 65067 TCTTCCCCATGGTGGCTTCCAGCCGTGACTGCTCATGGGAGGGA
ò		Qy 2424 2423
; <u>8</u>	います。	Db 65127 CTGTTTTATTGGAGGGGTTCTCAGAGCTCCCTACCCCTGAGTGTTGCTCCCTGCTACCTG 65186
1 8	1010001001001001010101010101010101010101	Oy 2424 2423
S		Db 65187 CTTGAGTGCATGACTGCTTGTACTCTTTGAGTTCTAGTTGTCAGTAGAAGGCCCC 65246
3	GCCAGGCCTGTCCAGTTGCTAAGTATGTCCACCCAGGCCTGTCCAGTTGCTGCAGCC	Qy 2424 2423
ò		Db 65247 TGTTATGTAGATACATAGTTGGGAAGATTCTAATGGCCCCAATTGTAGATTCTAATTAAT
g G	AATTCAGGCACCCTCCTCTCAGATTCTGGACTCTTCAAGACCTGAGCTGTAGCCTTCCTG	Oy 2424 2423
δ	2424 2423	65307 ATTTCTAATGGTCACTTTTAAAAGAATAGAAAAAAAAAA
QQ	64227 CAACACATCTGCTGGCATCTGAGGGTGAAGGGGCTTGCAGGCCAGGGCACGGGTGACTG 64286	

Oy	2424 2423		
q _O	65367 GGGAATTTAATGGCATGATCAGGTGGCAAGGTCCAGAGATGATTACTTAGGGTGGGAGAA 65426	Db 66447	ACAGATGTGCATCACCACGCCCAGCTACTTTTGTATTTTTAGTAGATGGGTTTTCAC
οy	2424 2423		
qa	65427 TGTTACAGGGGTCCTGGGACACAGGGCATCCAGGGTGGGAATCAGAGGGAGAGGTAGGT	6	CATGTTGGCCAGGCGGGTCTTGAACTCCTGACCTCAGGTGATCTGCCTGC
δy	2424 2423		
q	65487 GCCAGTITCACCCICTCAGCGTIGCTGGGGCTGAGCCTGCAGGAGCAACCTGTGTGCTG 65546	_	CAAAGTGCTGGGATTACAGGCGTAAGCCACCGCGCCCAGGCACAGAACATTGTTAACATT
Qy	2424 2423		1
qa	65547 GAGGGAGAGCTGCACATGCAGGCTGGACTCTGGTGGCCCACGGAGAAGGTCAGCAATCT 65606	Ψ	CATITITCAGGCTITITCCTAACCATCCTATCTAAATTACGCCCTTCGTGGCCCTATTTT
Qy	2424 2423		
qa	65607 CIGITICICICCICCGGIICITGACTITGCACCAGGCAGCIGGAIIAICICAICAAAI 65666	9	TTTTTAACAACAACATCTGGCCTTATTTATTAGGCACTGTTCTAAAAACCTCTGCAAGG
Οy	2424 2423		
qa	65667 AGAGCACAAGGCTCAGGAGGCTGAGCCATGGAGTTGCTGCTCTTAGCTTAGCCCCATTGC 65726	9	ATTAACTTATTCAATCCTCACCATAGCCCTCTAAGGTACTCTTACTTGTTCTATTTAGA
Qy	2424 2423		
qa	65727 AACTITTAGCTICCCCCAGAGCAAAGCACTGTICCTAAGGCTGCAGGCCACAGCCCCAGA 65786	6	TCTACGGGGGAAATTGAGGCACAGAGGGGTCAGGGAACTTGCCCCAGGATTGTACAGCTGG
οy	2424 2423		
qq	65787 AAACAGGTGCTTCTTTTGGCACCAAACCAGTGAGTTAGACAGTGCGACTCATCAAAGG 65846	Db 66867	TGGGTGGCAGAGCTGGGATTCAAACCCAGGCAGCTTGGCTTTAGAATCAACAGTCTGAGC
Qy	:	Qy 2424	24 2423
qa	65847 GCCATCCCCAAGACTTGAAAATACCGAGGGTGCACGTTTTTTAAATGAAAATATTATGT 65906	Db 66927	27 CICATGICCIGCIGCCCAGAICIGGCIGIAGACGCICITIAIITAIGICITICITICICI 66986
ò		Qy 2424	24 2423
අධ	TGGAATTATAAAATAATATTACATTATAGAGACTGTAGATTAGAGGAGCTGCCACCTTC	Db 66987	87 CCAGCIGCIGAGCIGCICACCCITIAICCACTITGCTIAICACAGIGICIGGCACACAGI 67046
δλ		Qy 2424	24 2423
qq	TCACTATTGTCATTTTCAGAACTTTTTTTTTTTTTTTGAGACGGAGTCTTGCTGTC	Db 67047	47 GGCATTCAAGTGCTATTTGTCAGGTGAATGAATGAATGAA
ò	!	Qy 2424	24 2423
d	GCCCAGGCCGGAGTGCAGTGGCGCGATCTCAGCTCACTGAAAGCTCCACCTCCAGGTTC	DD 67107	07 ATAACCCAACTACCTTAGCACAATAATTATGGTAATTTTGACAGATTGTAGATTTCAAAT 67166
ò		Qy 2424	24 2423
· q	ATGCCATTCTCCTGCCTCAGTCTCCTGAGTAGCTGGGTCTACAGGCGCCTGCCACCACGC	DD 67167	67 CATGGGTCAGGAACCGCTCCTGCCAGTCCTGTTGTCCTCATCTTTGAGGCCAGAA 67226
'n	1	Qy 2424	24 2423
qq	CCAGCTAGTTTTTGTATTTTTAGTAGATGGAGTTTCACCATGTTAGCCAGGATGGTCTC	Db 67227	27 CAGCCCAGCTGTGCCAACATACCTGGGGCGAGAGGCAGCCCATGTTCCTCACGCCAGGGG 67286
γo		QY 2424	24 2423
· q	AATCTCCTGACCTCGTGATCTGCCTTGGCCTCCCAAAGTGCTGGGATTACAGGCAT	Db 67287	87 TCAGCIGCGGGIIGGCCICGGGCCIGICICICITGAICICGCCCTIACICACICCCIC 67346
ò		Qy 2424	24 2423
: A	GAGCCACTGCGCCCAGCCCAGAACACTTTTTCTTTACTTATTTTTTTT	Db 67347	47 GCTGTCTCTCTGAACCTCCTTAICGCTGTCTGCCTGTCTTGCCCACAICTCCTTGTTCTC 67406
0		Qy 2424	24 2423
. d	AGACGGAGTCCTGTTCTGTTGCCCAGGCTGGAGTGCTGTGAGATCTTGGCTTACTCC	Db 67407	07 AITGIGCCICTAGACCCICTITAAAGCCAGIGGAGTITGAGGACAIGCAATAGTAATITI 67466
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7	出来でいり出して本からなるとのようなできません。 かんしょうしょうしょうしゅつ かんごうし しんかいきょうしょうしょく ちんしょうしょく しょくしょく しょくしょく しょくしょく かんしょく かんかん かんかん かんかん しょうしょく しょうしょく しょくしょく しょくしゅく しょく しゃくしょく しょくしょく しょくしょく しょくしょく しょくしょく しょくしょく しょくしょく しょくしょく しょくしん しょくしん しょくしん しょくしん しょくしん しょくしん しんしん しょくしん しん しょくしん しょくしん しょくしん しんしん しん	Db 67467	67 ATAATCATTACTGGGCAGTGTAAAACAAACATTAGCACAGCTGGCAAAGAGTGTAGGCAG 67526
3 8	1 1 CODO 1 JOSE 10 CODO CONTROL TO 10 TO 1	Qy 2424	24 2423
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TACAGCTGAGATCTCTGTGACACTGTGGA 675 TACAGCTGAGATCTCTGTGACACTGTGGA 675 TGGTGGCTGCCCTTGTAGGGGTGGTGCC 676 TTGCTGCTGCCCTTGTAGGGGTGGTGCC 676 TGGTGGCTGCCCTTGTAGGGGTGGTGCC 676 TATTCCATTAGGCCCCAACAATACACAA 677 ATTTCCATTAGGCCCCAACAATACACAA 677 HOMO. Lebrata; Mammalia; Eutheria; HOMO. Lebrata; Mammalia; Eutheria; HOMO. Lebrata; Mammalia; Eutheria; HOMO. Lebrata; Mammalia; Eutheria; HOMO. Lucared pieces. Lucared Li, Ju, J., Ly, T., M., Jackson, L., Kampal, R., M., Logan, O., Lu, J., Ly, T., Tlumns, K.M., Todd, J., Vo, Q., Nelson, D., Rowland, K., Tlumns, K.M., Todd, J., Vo, Q., Nelson, D., Rowland, R., This sequence. It currently Todg, Ju, Vo, Q., Nelson, D., Rowland, R., This sequence. It currently Todg, Ju, Vo, Q., Nelson, D., and Gibbs, R.A. Sequence. It currently Todg, Ju, Vo, Q., This sequence record is tigs are represented as of the gaps are unknown. The finished sequence the accession number will 300 bp in length wn length yn length yn length yn length yn length wn length yn length	6 /db_xref="taxon:9606" BASE COUNT 46074 a 35904 c 34654 g 41968 t 166 others	Query Match 95.0%; Score 2312.4; DB 10; Length 158766; Best Local Similarity 16.2%; Pred. No. 4.5e-126; Matches 2433; Conservative 0; Mismatches 1; Indels 12584; Gaps 12.	Oy 1 CAAGGATCCGATGGGTATATGGAGTTGAGGTAATGGATCATTCAT	Qy 61 GGGGTTTTTGAGACCAGGGTTTGGAAGAGAGTTCAGCACTGCTGGTAGTTTTGGGAATCA 120	Qy 121 CCCATGTGCAGGGACACATGAGGAACTCTGCAGGGGTCCGTGAGATTGGA 1	Db 73116 CCCATGTGCAGGCGACACATGAGGCAGTAAGGAACTCTGCAGGGTCCCTGAGATTTGGA	Qy 181 AATGTAGGAAGGAATGGATTGAGGTCCGAACCTGGAGGATCTGCTATACGCAGAGCT 240	Qy 241 GGGAGGAGGGACAGACTCAGTACCAGAGTCGGAAAAAAGCAGGGTGGGAAGGGGAACCTG 300 111111111111111111111111111111111	Oy 301 AGTCAGGAGACTTGCCTGGCAGGCGCTGCCTGCCAGAGGCCTGACAGTGGTTTCCA 360	Oy 361 TGAACTGCATCCCTGTGGGCTGGGACAGGCCACTGACACAGTATCGGAGCACAGAA 420	Oy 421 GGGGAAAGGAGCAGGAGGGATTCCAACTTCTGCCAGTTAGCAGCTGTGGCTTTGGGCAT 480 111111111111111111111111111111111111	Oy 481 GTTACTTAACCTCTCTGAGCCTCATTATTTCATCCATAAAATGGAAATAAAAATAC 540	Qy 541 ITTTGTCAAAGGCGCATTGTGAATATTTAGATCCTCAGAATAATGCCTGGCTTGTAGCAA 600 111111111111111111111111111111111	Qy 601 ATGCTAGCTGGAGGAAAAGGAAGAAAACCAAAGTCAGCAGCTGAAGGATTTTCATATT 660	Qy 661 AGAACTGCTCTGGACCTATCTGGCAGATGCAGAAGCACACACA	Oy 721 TTGCCCGCCCTTAGACATGTTGTGTCTCTCCTGGATCCTTGGTCCCAGGTGCCTTACC 780 11111111111111111111111111111111111	Qy 781 TGAGCTCAGGTGAATGTGGCAAGCAGCCCTCTGGTGGTGAATGCTGTGGGCGCCC 840	Qy 841 GTGCTCCTGGTGACACAGGGACCTCACAATCCCTCCACGGTCTCCTCATGTCCT 900 111111111111111111111111111111111	Qy 901 CCCAGCCTTATTTCTCGTTCCTCTCCCCAGCCCGGAACTTGCCTGTTTGCTCC 960	OF THE STATE OF TH
	ATGGTTCCTTTGGGATCCTAAAAAAGCAGGATACAGCTGAGATCTCTGTGACACTGTGGA 67	TTCAGAAACTGCTGGAACTGTCCCAGTCCCTGTGGTGGCTGCCCCTTGTAGGGGTGGTGCC 676	AAGGGTGGCTTGGGGGGTTTAGGTCCTCCTAAATTTCCATTAGGCCCCCAACAAATACACAA 677	2424AAAAAAAAAA 2434 7707 TATAGCTAAAAAAAA 6724		ACO04241 1168766 bp DNA linear HTG 11 Homo sapiens, *** SEQUENCING IN PROGRESS ***, 9 unordered	AC004241 AC004241 GI:3046263 HTGS_PHGS_PHASE1.	_		<pre>Karpathy,S., Leal,B., Li,Y., Liu,W., Logan,O., Lu,J., Ly,T., Martinez,C., Oswal,G., Perez,L., Rashid,N.D., Rowland,K., Savage,L., Scherer,S.S., Shen,H., Timms,K.M., Todd,J., Vo,Q., Worley,K.C., Yu,W., Chinault,C., Nelson,D. and Gibbs,R.A.</pre>		Direct Submission Submitted (28-FEB-1998) Molecular and Human Genetics, Bayl College of Medfels, One Baylor Plaza, Houston, TX 77030, [WARNING] On May 2, 1998 this sequence was replaced by a n	version gl:3108001. On Apr 13, 1998 this sequence version replaced gl:3023023. * NOTE: This is a 'working draft' sequence. It currently * consists of 9 contigs. The true order of the pieces	* is not known and their order in this sequence record is * arbitrary. Gaps between the contigs are represented as * runs of N, but the exact sizes of the gaps are unknown. * This record will be updated with the finished sequence.	* as soon as it is available and the accession number will * be preserved. * 72370: contig of 72370 bp in length * 72371 72390: gap of unknown length	13304 15303: cont. 113184 113203: gap o 113204 153083: cont. 153084 153103: gap o	154800 154819: Gonta 154820 155804: Gonta 155805 155824: gap of	155628 155647: contig of 803 bp in 156628 155647: gap of unknown length 156648 157381: contig of 734 bp in 157382 157401: gap of unknown length	* 158104 158123: cont.ig * 158124 158766: cont.ig Location/Qualifiers	

QQ	6 CAACCAGGACGACCCCTTCCTGGCAGCAGCTGTGCCATCCAAGTTGGGGATAAAGGTTG	Qy 1163 1162
ΟŻ	1015 1014	75006 ACCASAMPHOTHERS CACASAMS CONCORDANAS ACCACAMS AND CONCORDANA ACCACAMBANA ACCAMBANA ACCACAMBANA ACCACAMBANA ACCACAMBANA ACCACAMBANA ACCACAMBANA ACCAMBANA ACCACAMBANA ACCAMBANA ACCAMB
qq	74016 GIGGICIGIGCCGGCIGGGCACAGCCCGACAICIGCACCCIGCIGICTCICCCICICTIG 74075	19030 AGCANINIGINGGAGGLIGGAGGAIACCACAGGIAAAACAGGICAGCIIGNIGGIIAA
δλ	1015 1014	TTO?
qq	74076 TCCTGCTGTCGTCACTTTGACCTCGGTGTGCCTGGGCCAAGGTGGCACGCTGTACTCCT 74135	/5156 GAGCATAGACGGTGGACTCCCAGACCCGTGAAGGCATCTTAGGCTCACCATTTACTAGCT
δy	1015 1014	Qy 1163 1162
qq	74136 CAGGGTCTGTGTTCCAGGCTGCTGGCTAGATCTGCCTCCTACCTGCCTCTTTTTTGCTCA 74195	75216 GIGIGAIGCIGGGCAAGTIGCITAACCICTCIGAGCCIGCATICCICACCIGICAGAIG
οy	1015 1014	1163
qq	74196 GGGCCTCCCCACCTGCAGCTCAGCCTTTGGGGATCCCTCCC	75276 AGGACTGTAATTGTATCTACCCACAGGTTGCAATGGCTAAGTGAGCTAATGTGTGTG
ογ	1015 1014	1163
q	74256 GCCCTCTCCTCCTGGGGTGGAGATCAGGCAGCCCTTCCCACAGCTCAGTCTGGTCTCCT 74315	75336 GCACTTAGCACAGGGCCTGCCAGTCAGTGCTGAGAACATGGCGGGCTCAGGAGTATTAAG
Oy	1015AGTCCCCTATGACATCTGCCGGCCAGACCACTCAGTGTTGACCCTGCAGCTGCTG 1070	Qy 1163 1162 1163 1162 1163 1163 1163 1163 1163 1164 1165 1165 1165 1165 1165 1165 1165
qq	74316 CTTCAGTCCCCTATGACATCTGCCGGCCAGACCACTCAGTGTTGACCCTGCAGCTGCCTG 74375	13530 AIGGGCCICCAGAGAACCIGGAACAIICAAAACCIGIICICIGGGGGGGG
Οy	1071 TGACAGCCTCCGTGAGAGGTGATGGCGTGGCCCAGGAGGATGGTGGCTGGACGATGG 1130	UY 1103 1102 1103 1102 1104 DD 75456 TGACAGGGAACCCAGGCAACAACAACAACAACAGGAATGAGAAA 75515
gg		1163
δ d	1131 GGCAGGTGCTGGTGAAGGTCAATTCTGCAGGT	75516 AGAAAAGCCTTCTCCCTTCAGGAAGTGGGGAGAGATGGTCACCTGTGTGCCCTGCCTG
3 8	GGCAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	Оу 1163 1162
3 8	74496 1905020000000000000000000000000000000000	Db 75576 GAAGCACTGCCTCTGCTGGCCACCTGGTGAGTTGCCGAAAGGTCATGTTATT 75635
8 8	1 TUD	Qy 1163 1162
급	GTCATCTTTCTGGTCTTCCTCAGTGTGAATGATGGTGGCTAGCATTAATGGGAGGTGGAGGTGC	Db 75636 GAGACCCTACTATGTGCCAGGCACTGTTTAGAGCACTGATCTCCGAAGCACTTGGATCGA 75695
οy		1163
q	74616 GTCTGTTCGAAGTGCATTTCATGCAGTGTGTAAGAGCATGAGCTCTGGAGCCTGCTGTT 74675	75696 CACCCATGTCAATAACCAACATTTAATTAAAACCCACCACGGTGTGTAATTTGTT
Qy	1163 1162	1163 1162
qa	74676 GCAITCGGCACCAGCCCTITAGCICACCAIGTGIGICTCGIGGCAGGGIACTICAICC 74735	75756 TGTAAGTAATACACATATTACTACATTAATATCATAATAAAAGATAGAT
οy	1163 1162	1163
qq	74736 CTCTGTGCTCAGTTTTATCATCCATAAAATGGGAATAGTAGGAGTACTTGCCTCCTGGAG 74795	75816 TTGATGGAGTAGAAATGCAAAGCAGGTAGAAAAAGTAAACGTAAGTAGAAGAGCTCATAT
Qy	1163 1162	1163
qq	74796 GAATTGTGAGGATCAATTGAGTTCATCTATGAAAGCATTTAGAATGGTGCCCGGCACATA 74855	75876 TTTCCCCAGGCACATGGATGATCTGATGTACTTTGGAGGCCACTGCTCTAGGGAC
οy	1163 1162	TIP3
qq	74856 GTGATACATAAGTATTAGCTGCTATTATTATCATTTGTGTTTAGTCATTTAATATGA 74915	/5936 TGGGGACTCAAGCACAGTCCCAGTCCATGAGGAGCTGATGAAAATCAACACCAAGGCTTA
ογ	1163 1162	1163
qq	74916 ATTAATAACAATCTCATGAGATACAGGTACTTTTATCCTATTTTCAGACAAGAACACTGA 74975	/5996 TATAAGACACTICCCAATITICAAAGGGTTTTATACATAGCATGTACTTATAGCTACTA
QY	1163 1162	1163
g G	74976 AGCTCAAAGGGCATGAGCTATTCCTCAAGCTCACAGTGAGAGTAGCTGGTCTTGGAAC 75035	/6056 TITATATACATTATTTTATTTGACTTATGAAATAGTTGGGGCAAGTCTTATTGTCTCCAT
٥y	1163 1162	1163
QQ	75036 TTAAGTAGTCTTCATTTGTCACTCAGCAAACATTTTGAGGATCAGCTATGAGCC 75095	Db 76116 TTTACCAGGGAAGAAGTGAGGCTGAGGCTCAGACCCTGCCCAGGTTCTTCCTGAC 76175
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	1570	1643 CTAGCCCACACCTGGG		CCTCCAGACACCTCACTCTTGGCTTCCCTGCAGCCCTCTACTCGTCCTTTGTCACTTTT CAGGGTTCCCAACCTCGGCCCAGGGCCTAGCTCCAGCCTGTGAGTTTGGGGAGCTGGCTG	1711
TCACTGAGAATCTTTCCTCATCCTCTTGGATGTGCTTCCCTGGGCTGCGTGG 76235 TCACTGAGAATCTTTCCTCATCCTCTTGGATGTGCTTCCTGGGCTGCGTGG 76235 OY GCACATGCACCTGTATTCTGAGCACCACCAGGACTTCAACCCCGCTAGGAGAAA 76295 CAACCTCTCAGCCTCCAAACAGCACCTCCACCTGGCATTGGCCTCCCGGCCTCC 76355 CAACCTCTCCCCCAAACAGCACTCTTGCAGTTGGCCTGCAGCCA 1183 CTCCCTTCCCCCACCCACCTCTTGCAGATGCCATTGGCCTGCAGCCA 76415 DD CTCCCTTCCCCCCACCCACCTCTTGCAGATGCCATTGGCCTGCAGCCA 76415	0-00 	999 : 6	AGTTCCCAAGATAGTGCAGGGGCTGGTAGCACTGGTTGGCAGCTCCCAAGGAGAA 76715 QY AGAGGAGCACCTGCCCTAGTTAGGGGTTCCCCAGGAGACCGAAAAGGAGGGGTC 76775 TCAGCACTGGGGAGCCCTATCCTCCAGGACCCCTAGAGACCCTCTACTCCCCA 76835 QY TCAGCACTGGGGAGCCCTATCCTCCAGCTGCTATAGCCCCTAGAGACCCTCTACTCCCCA 76835 QY	CC 76895 1260 GC 76955 GG 1319 GG 77015 TA 1379 TA 77075	TCCA
Qy 1163	Oy 1184 GATGCCCGTGGTGGCGGGGGGGGGGGGGGGGGGGGGGGG	76596 1261 76596 1261	76036 1261 76716 1261 76776 1261	76836 1261 76896 1261 76956 1320	Oy 1380 TCCA

CAGGGTGCCAGCCTCAGACGTCTCACCATTCAACGAGAGCCCTTCCAGCCCTCTTCTCTCTC	9536 TAAGCCTTTCTCTCCTGGCCTCTGCCTTCTGTCCTTGCTGGTCCCCGCTGGGCCTCTG 7959		9656 CTTGGTTCAGAGGAGCTTGGCCTCCCTGCTGCTGCAGAGGCAGGACAGGGTTTCTCCC 7971 1864GAGAATGATGGCCGCGCGCGGGA 1889	9716 TCAGGCAAGAGCTTATGCCCGGTGTTGTCCGCAGAGAATGATGGCGAGGCGGGGGA 1890 TGCTGCACCACTGCCGAAGCCACAACCCT	79776 TGCTGCACCACTGCCGAAGCCACAACCCTGGTGAGAGGGGGGGG	6 CCCCCACCCTACATCCTCTGTGAGGCTCCAGGGTGGCCCTGACTCCATGACCCCTCCCCA	1919GIGCCTCTCTCACCACTCAGAGCCGAGTTTCCCACCTCCAGGACAGCC 1970	1971 AGGTGGCGAGGATTTCCACAT 1991		80016 CTTATGGTAGTTACCCATGGCTGGCACATCCTAGGCACTTGCCATGTGCCAGGCACGGAG 80075	CCCGGCCCTTCCATACATGATGATAATGTTCAGCCTCTGTGGTCTGAGCCAGGGGGC 80		80136 TCTTCGGTCCCCTCACCGTGGGGTGGGCAGGGACACCGTCTTTAGGAATTGGTGATGG 80195	GAAGTGGTTGGTGGTGGTGGAGGGCAAGAAGGCAGATGTGATATGGCTCCTTGGAGGGG	1992GCT 1994 11 80256 AAAGGTTGGGTTCCACAAAGGGGCATCAGTGCCTCCCTGACTACTCTCCTCCACCAGGCT 80315	1995 CGGAGCAGTCCCTGAGCACCCGGAGTCCAGCCAGCACCTGGGCTTATGTCCAGCAGCTGA 2054	2055 AGGTCATTGACCACCGGGAACTCTCCCGCCTCTCCCGAGAGCTGGAGCCATGAGGAG 2114	GGCTGGGACTGGAGCTGGAGCAGTTGCAGCGGGAAAGCCAGGGTGTGCCGGGCC	80436 GGGCTGGGACTGGAGCTGGAGCAGCACTTGCAGCCGGGAAAGCCAGGGTGTGCCGGGC 80495	
Qy 1711	Db 78456 CTGCAGAGAGAGAGAGGACACACAGAAAGAGACAGGGATAGAAAGGGACAGAGAGT 78515 Db QY 1711 1710 QY	Db 78516 GACAGTGACAGACTTTTCCAAGAACCTGGGGCCCCTGTGACTACTGCTGAATTTTC 78575 Db Qy 1711 1710 Qy	78576 TCAGTGCTAATGGGAGGTTGGAAGCCCCGTGTTCGCCTGTGACAGACCTGGGTGAGACC 78635	Db 78636 TGGGGCTGAGGAGAGGCTGAGTTGGGGCCTCTGCACTGTGGGATGGGCATGTGGCC 78695 Db Qy 1711	78696 CCTCCTTGGTTGGGTGGGGTCTGTGGTGGTGTGTGTGTG	OY 1711	QY 1760 TCCCCTCCTGTCATCCCCTTCTTCTCAA	1797	CALCULATION CONTINUE AND	78936 CCCATCCCATGCCTATCTGTGTGTGCACCCACTCTGTTGGAGAGATTATACCTCAAGTGC 78995	1798	1797	TT	GGAGGGGGCAGAGGGCTCTATGGGGTGAGGCCCAAGGGAGCCGTTATGCCC 79175		AGACATGACCTTCATTCATGAGGGAAACCACCTAIGAGAAACCCATCTAGACATGACCTTCATTCATGAGGGAAACCACACACTAGTGGAGAATCTCATCAA		79296 CTTTGAGAAGATGGTGAGTCCAGGGAGGCATTCACTACTAACATAGGTTGGAGGA 79355 0y	CATGACTGTGGCCTGGGAAGGGGCAGGCTTGGAGGCAGCTTAAACTTGTTATGAATAAT	1864 1863 Db 79416 ATGAGGATGAATACTGTGTAATAGCCCCTGCCTTATTCCACTGCAACTGGGTCTGC 79475

GGAGTGGACCCGAGCCAGGAATAACGAATGACCCAAGGCCAAGGAAGG	Db 81696 GTATGGCCCCTCTGCAC	GIATGGCCCCTCTGCACTTCAGCCCCCATGGATGTGGATACACAGGCCTGCTGCTTCCAGA 81755
21.01.01.01.01.01.01.01.01.01.01.01.01.01	Qy 2424	AAGGGTCAGAGCCTTTAGCAGGGAGGCAGCACCAGCTGGGCTTAGACCTCAGGTCACTAAG 81815
} ;	2424	
 CACACCAGATGTCTICCAGATTCTGTGCCTCTGGCTTTGTTGTCCAGCCAGGCCTGCAGT 80795	Db 81816 TGAATCTGAGCAAGTCA	TGAATCTGAGCAAGTCAGTGAACAGTTCTCTTCCTTCATTTCTCCACCTGTAAGCCAGGT 81875
	2424	
TTATTTTCACAGTGGACAGAGAGAGAGAGGCTGCATGTGTGTACCGTGTGTGGCAA 80855	81876	ATGATAAACGCCATACAGCGCTTAGTGACAAACACATAAAACTGTAGCTCCTGCCTCTGT 81935
2423	2424	
GGGCAGGGCCTTGGCCTGGGGGGGGCCCCCTGCTTTCTTT	81936	AGCAGAGGTGACAGCCAAGGCCAGTCCTGTGCTATCCAGGCCTGGTAGGGGGGCAGCCTC
2423	2424	
80916 AGCAGGCAGTGGGGCTGCGGGCCTGTGGTCCCTGAGGAGCTTTATTGTTACTGTC 80975	81996	GCCTCAGTTGAGGGCTGAGGGAGAGACTGAGGTGCAGCAGATGGCAGTGGTAACCAAACC B2055
2423	2424	
80976 AACATAGTAGTATGTTCCAGGCCAGGCCAAGAGTGGGCGTGGCAGGCA	82056	AGTICCCTIGCCGIGGGGACACAGGAGAAGCACGGAAGCATCTGGAACTGAGCAAT 82115
2424 2423	2424	
CCCTCTGGGAAGGAGCTGTGGAGGAGAAGCAGCCCCATGCTGGGCACGGGCCAGACTGGG 81095	82116	CAGGACAGGAGCTCAAGCCTGGGTGAGTCAGGAGTCCGGGGGCTTTCTTT
2423	2424	
TCCAAGATCCTGATGCCACCCAGATGTGCCTCCAGGGCTGGAAAGGGCGGGC	82176	CCATTGTCTGCTGGTGTCTCGGCAAAAGCCAGCCAGCCAG
2423	24 24	
GCCTGGAGCCCCTGTCAGCAGCCAGGCAGGTGACCATCAGCTCCCGTGGTGGTCCAAT 81215	Db 82236 TCAGACTCTAGGGTGAG	TCAGACTCTAGGGTGAGCCCAGCCGACACACAACAAAACCAAGTGCCACGGGGGCCG 82295
2423		
AGGACTTTACAGTCCAGATGCAACTGACAGCTTCTTCCCAACTGCAATCCCCGGCTTTTCC 81275	82296	GTGTCCTCCACCAGCATTTCTCCTCTGGTCACATCTACGTCGTGATGGGACTTCTCCCTC B2355
2423	Qy 2424	2423
ACACTTGACCTCGTCCTGGCCTGTTGGGCCAGGCTTCTGGGGTTCTTCTGGGGGTGGCTTG 81335	82356	CTCCTTGGACCATCAGCTTTACAGTCCAGACCACCCTGCAGCCACCCGGTGGTCTCCCCAG 82415
2423	Qy 2424	2423
TGATAGAAACAATGCTGAAGCTTCCGCGGAGAGCCCGTCGCTTGTTGAGGCCCAACAGAC 81395	82416	CTGCCCCAGTCTCGGGCAGGATGGCTTTTGAGCCTGTTGGGAGAGACCTTGCCAGGAGAA 82475
2423	2424	
TTCCAGGAAATCAGGGTTTATCATCAGTGTTGAGAATGGTCCCAGCAAGCTCTGGTCATA 81455	82476	TGGTGCCCAGGGCAGGCAAGAGGACACAGACTCTGGGAGCTAGAAGAGTTGCGGCCCAGG 82535
2423	Qy 2424	2423
CGAAGTCCTCTTCCTGCCCCTTCAGCACTTCCCCTAGGAACCAGCTACTGCCAGGAC 81515		GGGCCAGGCCACTCCCAGAGGACAGGAGGCCCAAAAGGGGAAAGGCTCCATGTTACGG 82595
2423		2423
GCCTCTTGCGAGGCAGAGCTCACCAGGAAGCTCCAGGGACTCCACCCTCTTGCCTTGCT 81575		TGGCCCCATGCTGGGAGTTTGTGCTGCCTTCTGTCTCCCTGACTGCCCAAGCGTGGGGTG 82655
2423	Qy 2424	2423
ATTGCCCTGAGTCCTGGCAGCAGGAGGCACTTGTCTGGCCAGAGAGAG	82656	GTGTGGGGCAGGAGCATCCTCTGGTGTTCCCTAGCAGCCCAGGCTGTGCAGGGCTC 82715
6070	Qy 2424	2423

qa	82716 CCATTTGFGTCTCAGCTGCAAGAAGGCCACAAAGGGAGGGGGGCTCATGGGACTGCTG 82775	00 2424
δλ	2424 2423	2.16.1 0.00cc / Ammon x nomeon x nomeon x none none none nome none nome none nome none nome none nome none non
qq	82776 AGAAGAAGGTGTGCAGAAAGGGAGTGTGGCCCTAGATCAGTCCTTTAAAAAGCCTCTGTT 82835	03030 GIIGAAGIGGGGGGGICACIIGAGCCCAGGAGIICGAGGIIACAGIGAGCIAIAACIGCA
δy	2424 2423	2424
qq	82836 ACCTGAAAGGAGGTCAAGCAGAGGAATGGCTGCGTGTGTGT	83916 CTCGTCCTTTCGTTGGTTGACAGAGAAGACTCTGTCTAAAAAAAA
QY	2424 2423	2424
ф	82896 GACAGAGGAGGTCATTGTTACACACATCCCCCTCCTTTCCTCCTTCCCTCCACTT 82955	83976 TGGTAGTTCTGGCCCTCATGGGGTCAATCATCCAGCTAGGCAGCCAAGACTATCAGTAAC
Qy	2424 2423	2424
q	82956 CCCTGTGAAGGCCTGAGGCAGGCTGTGGCCAGGCTCAGGCCTGACTGGGGTACACAC 83015	ω
ΟŸ	2424 2423	
Dp	83016 CAGGGAGGCCACGCCTCCCCACAGACGGGGTGGAGTGGTCAGTGGAGCCAGCACCTCT 83075	ω
٥y	2424 2423	2424
QQ	83076 GCIGCTICAGCAICTCCGCCTGGAGCCAGCTGTCCCCTCTCTCAGGCTCCATCCGAAC 83135	ω
QY	2424 2423	2424
qq	83136 AAAAGGAAGGCAGAGCCTGAGATCCGGCACCCCATCCCCTCCACTCAGCACTGAGTTAG 83195	ω
Qy	2424 2423	Qy 2424 2423
qq	83196 AGCTGGGTGGGGGCATGTCTGCCTTCACACGCTGCCTTATGGCTTCTGTGTCTCCAACAG 83255	Db 84276 TGGCAGTTGTCCTCAACCCCTTTCTCCCTTCCAGACCTACAGGCCAGAAAGTACATGT 84335
ογ		Qy 2424 2423
qa	83256 CCCTCAGCCTCTGGCTGCTCCTTCCCAATAGTCACAAGATTTACCATGATAATAATAG 83315	Db 84336 CTTTCCAAAATGTGTCCTAGTACCCCAACCCACACTCAGTATTGAGCTCCTCCTACATCT 84395
οy		Qy 2424 2423
qq	83316 GTTAAGACTTGAATGGTGTTTTCATCTTCATCTTCACCCTGTCTCACGTTACGTTA 83375	Db 84396 GCCAGGCCATGCATCTATACTAAGTATCCACCCAGGCCTGTCCAGTTGCTGCAGCC 84455
QY		Qy 2424 2423
qa	83376 TITTIATCCTGATGACAGAATAGGTACTACAGGTATTTTACTCTGGTTTTACAGTCAAA 83435	Db 84456 AATTCAGGCACCCTCTCAGATTCTGGACTCTTCAAGACCTGAGCTGTAGCCTTCCTG 84515
Qy	2424 2423	Oy 2424 2423
QQ	83436 GAAACTGAGGCACAGGCAGGTTTGCCCAAGGTCACATAACTGCTTAATAGCAGGGTAGAC 83495	Db 84516 CAACAGTCTGCTGGCATCTGAGGGTGAAGGGGCTTGCAGGCCAGGGCACGGGTGACTG 84575
٥y	2424 2423	Qy 2424 2423
qq	83496 AGGIGAAGIAACIGGAIGIGIAICAGCCAIGCCCIIICCCCAIGCCCCGGCACICCCCA 83555	84576 CCGTCCCTCCCAGTGATAAAACTGGATCATCCTGAGAAGCCGAGTCTGACTCAGCTG
οy	2424 2423	2424
qq	83556 TGACAGCICTCTGAATCCCAACATTTTATTCTTTTGCAGGATTAGACCCAAGCATATAAA 83615	ω
Qy	2424 2423	Qy 2424 2423
Q	83616 TICCTITITCCCTCTCTCCATTCCCACATTCTTTATTTTCACGTACTTACT	ω
Qy	2424 2423	Qy 2424 2423
Ob	83676 TGTAGGGGCTCTGTGAACAAGACAAAGGCCAGGTGCTGTGGCTGATGCCTGTAATCCCAA 83735	Db 84756 CAGAAGAAGACAGAAGGTTAAGCTCACAGTTTGGACCCACTTTTTGTGCTAGGAGGTGTG 84815
οy	2424 2423	Qy 2424 2423
Db	83736 TCCTTTCGGAGCCTAGGCATTTGAGACCAACCTGGGTAACAAAGCAAGACCCGGTCTCTA 83795	Db 84816 GGATTCTGGTTGTGCATGTGTGTGTGTGTGACCAGTGTGCACCCTGGACCAGGGAGC 84875
Qy	2424 2423	Qy 2424 2423
qq	83796 TAAAAAATAAAAATTACCCGGGTATGGTGTGTGCACCTGTAGTCCTAGCTACTTGGGAG 83855	Db 84876 TGGATGCTTCAGGCTTCACCCTGACTCTGCCTTGCTCTTGGCCCTTGGAGAGCACT 84935

ογ	2424 2423		
qq	84936 TGGATCTTGGTTTTCTCACTGGAGTGAGTTGTAGGCAGCTAGAGCTGTTTTGGACTGCTG 84995	Db 86016 AACTTTTAGCTTCCCCC	AACTTTTAGCTTCCCCCAGAGCAAAGCACTGTTCCTAAGGCTGCAGGCCACAGCCCCAGA 86075
ò		Qy 2424	2423
. 5	シャープラング キワイ キョンショ キングコン キョロシャン ションコージョー かいかいじじじゅん ひごじじゅん	Db 86076 AAACAGGTGGTTCCTTT	AAACAGGTGGTTCCTTTTGGCACCAAACCAGGTGAGTTAGACAGTGCGACTCATCAAAGG 86135
3 8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Qy 2424	2423
S	CARCAR CHARLE WAR COLOR CARLES COLOR COLOR COLOR COLOR CARLES COLOR COLOR COLOR CARLES COLOR COLOR COLOR CARLES CAR	Db 86136 GCCATCCCCAAGACTTG/	GCCATCCCCAAGACTTGAAAATACCGAGGGTGCACGTTTTTTAAATGAAAATATTATCTT 86195
3		Oy 2424	2423
δ		86196	TGGAATTATAAAATATTACATTATAGAGACTGTAGATTAGAGGAGCTGCCACCTTC 86255
අු	95116 CAGAAAAGTGCCCTGTCCACCAGAGTATAAGGCAGCATAGGTGGATCCCATAGGTGGGCA 85175	Ov 2424	2423
č	2424 2423	86256	TCACDATHGYCATHTTCAGAACTTTTTTTTTTTTTTGAGACGCGTTGTCGTC 86315
ορ	85176 GIGIGCIGGGGCAGGGGGGCCTCCATCICTCAGCAGCCCTGGGCAAGGCAA	70.70	24.22
Vo	2424 2423	† 7 T	
q	85236 TCTCCCTGGGCCTCACTTTCCCCATTTAGAAACAGGAATTTGGATGAGAAGTGTTTGAGG 85295	86316	GCCCAGGCCGGAGTGCAGTGGCGCGATCTCACTGAAAGCTCCACCTCCGGGTTC 85375
ογ	2424 2423	2424	
qq	85296 ATCIATGAATTTGGCAACTCAGGGTGTCAAAAGGGGAAGGGGTGTAGGCCCCTTTAAGCA 85355	Db 86376 ATGCCATTCTCCTGCCTC	ATGCCATTCTCCTGCCTCAGTCTCCTGAGTAGCTGGGTCTACAGGGGGCCTGCCACCACGC 86435
ολ	2424 2423	Qy 2424	2423
q	85356 TCTTCCCCATGGTGGCTTCCAGCCGTGACTGCTCATGGGAGGGA	Db 86436 CCAGCTAGTTTTTGTA1	CCAGCTAGTTTTTGTATTTTAGTAGATGGAGTTTCACCATGTTAGCCAGGATGGTCTC 86495
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łè	C.C.C.C.	Qy 2424	2423
5 8		Db 86556 GAGCCACTGCGCCCAGCC	GAGCCACTGCGCCCAGCACACACTTTTTTTTTTTTTTTT
3 8	CIIOMGIGCALGACIGCOIICIACICIIIGAGIICIAGIIGICAGIAGAAGGCCCC	Оу 2424	2423
÷		Db 86616 AGACGGAGTCCTGTTCTC	AGACGGAGTCCTGTTCTGTTGCCCCAGGCTGGAGTGCTGTGGTGAGATCTTGGCTTACTGC 86675
දු ර	TGTTATGTAGATACATAAGTTGGGAAGATTCTAATGGCCCAATTGTAGATTCTAATTAAT	Oy 2424	2423
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අු	85596 ATTICTAATGGTCACTTTTAAAAGAATAGAAAAAGAAGGCCTCGAGGCAATGGCATTAG 85655	9y 2424	2423
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Primates; Catarrhini; Hominidae; Homo. REFERENCE 1 (bases 1 to 158784) AUTHORS Muzny,D., Arenson,A.D., Brundage,E., Carvelli,K., Chen,E., Di,W., Ding,Y., Dugan,S., Durbin,J., Forcum,J., Ganesh,R., Garcia,C., Goodman,M., Gorrell,J.H., Haywood,M., Jackson,L., Kampal,R., Karpathy,S., Leal,B., Li,Y., Liu,W., Logan,O., Lu,J., Lu,T., Martinez,C., Oswal,G., Perez,L., Rashid,N.D., Rowland,K., Savage,L., Scherer,S.S., Shen,H., Timms,K.M., Todd,J., Vo,Q., Worley,K.C., Yu,W., Chinault,C., Nelson,D. and Gibbs,R.A.	Verley, K.C. 10 128781 1 Co 128784 1 Worley, K.C. 11 10 12878 1 Co 128784 1 Worley, K.C. 12 12 12 12 12 12 13 18 14 19 18 14 18 sequence was replaced by a newer college of Medicine, One Baylor Plaza, Houston, T.Y. 7030, USA Version 41:328154 3 Working draft' sequence. Teplaced by a newer consists of 9 contigs. The true order of the pieces states of 41:328154 3 World the first order of the pieces states of 1988 14 18 sequence was replaced by a newer consists of 9 contigs. The true order of the pieces states of this sea soon as it is available and the accession number will large between the contigs are represented as runs of N. but the exact sizes of the gaps are unknown. ** This record will be updated with the finished sequence as soon as it is available and the accession number will large in available and unknown length large in large in large in 15843 in 15842 in 18843 and of unknown length large in 15843 in 15644 in 15	Db 73195 AATGTAGGGAAGACAATGGATTGAGGTCCGAACCTGGAGGATCTGCTATACGCAGAGCT 73254 QY 241 GGGAGGACAGACTCAGTACCAGAGTCGGAAAAAAGGGGGGAAGGGGAACCTG 300
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q	78175 GGGTCTGAGGTGCCAGGGCAGTGTCAGGGGCTCCAGAGCCCCAAGGGCCTTGGAGCG 78234	Db 79255 CTTTGCAGACATGACCTTCATTCATGAGGGAAACCACACACTAGTGGAGAATCTCATCAA 79314
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'n	1711 1710	1864
qq	78295 AGTAGAAGAGGCGAGGATAGAGTTGGGGGTGGAACCTCCCACCTCCAGGAACTTTTGAGG 78354	Db 79375 CATGACTGTGGCCTGGGAAGGGGCAGGGCTTGGAGGCAGCTTAAACTTGTTATGAATAAT 79434
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ф	84295 TGGCAGTTGTCCTCAACCCCTTTCTCCACAGACCTACAGGCCAGAAAGTACATGT 84354	QQ	85375 TCTTCCCCATGGTGGCTTCCAGCGTGACTGCTCATGGGAGGGA
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qa	84955 TGGATCTTGGTTTTCTCACTGGAGTGAGTTGTAGGCAGCTAGAGCTGTTTGGACTGCTG 85014	ДQ	86035 AACTTTAGCTTCCCCCAGAGCAAAGCACTGTTCCTAAGGCTGCAGGCCACAGCCCCAGA 86094
Οy	2424 2423	Οy	
q	85015 AATGGAGGGCTGTACTGGCTTTCCTGGCACTTAGGCGATCCTAGCTAG	qa .	AAACAGGTGGTTCCTTTTGGCACCAAACCAGGTGAGTTAGACAGTGCGACTCATCAAAGG
Qγ	2424 2423	δò	
QO	85075 AGACAGGGTGCCTTTTTAGGGGGCCATGACAAGATATTTAAGCTTACTTGACCACC 85134	qq	GCCATCCCCAAGACTTGAAAATACCGAGGGTGCACGTTTTTTAAATGAAAATATTATCTT
ΟŸ	2424 2423	Ολ	
qa	85135 CAGAAAAGTGCCCTGTCCACCAGAGTATAAGGCAGCATAGGTGGATCCCATAGGTGGGCA 85194	qq	TGGAATTATAAAATAAATTACATTATAGAGACTGTAGATTAGAGGGGGGCTGCCACCTTC
δŏ		Qy	2424 2423
q	85195 GTGTGCTGGGGCAGGGGGCCTCCATCTCTCAGCAGCCAAGGCAAGGCCAAGCGCCTTCC 85254	QQ	86275 TCACTATTGTCATTTTCAGAACTTTTTTTTTTTTTTTTGAGACGGAGTCTTGCTCTGTC 86334
Qy		ΟŊ	2424 2423
: <u>8</u>	TCTCCCTGGGCCTCACTTTCGCCAAACAGAATTTGGATGAAGAAGTTTTGAGG	qa	86335 GCCCAGGCCGGAGTGCAGTGGCGCGATCTCAGCTCAAAAGCTCCACCTCCCGGGTTC 86394
î ô	000011101010000011100011110000111100001111	Qy	2424 2423
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17.13 CONCENTIONAL PROPERTY OF THE PROPERT	אימיניין יין יין יין מרכיין לאמיניין לאמינאמין מממין מממין לאכיין מכיין מכיין מכיין מרכיאר הארמיין.	2424
12.1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	87535 CAGCCCAGCTGTGCCAACATACCTGGGGCGAGAGGCAGCCCATGTTCCTCACGCCAGCGG
	CCAGCTAGTTTTTTGTATTTTTAGTAGATGGAGTTTCACCATGTTAGCCAGGATGGTCTC	NCNC
12.24 12.2		0 m 0 0 m 0 m 0 m 0 m 0 m 0 m 0 m 0 m 0
0	AATCTCCTGACCTCGTGATCTGCCTGCCTTGGCCTCCCAAAGTGCTGGGATTACAGGCAT	87595 TCAGCTGCGGGTTGGCCTCGGGCCTGTCTCTCTTGATCTCGCCCTTACTCACTC
0		2424
ANTISTICACCTECTOCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCC	GAGCCACTGCCCCAGCCCAGAACACTTTTCTTTGTATTTTTTTT	87655 GCIGICTCTCTGAACCICCTIAICGCTGTCTGCCTGTCTTGCCCACATCTCCTTGTTCTC
23.24 23.2		2424
123 09 244 09	AGACGGAGTCCTGTTCTGTTGCCCAGGCTGGAGTGCTGTGGTGAGATCTTGGCTTACTGC	87715 ATTGTGCCTCTAGACCCTCTTTAAAGCCAGTGGAGTTTGAGGACATGCAATAGTAATTTT
13.3 13.4		2424
0 23.1 0	AATCTCCACCTCCCTGGTTCCAGCGATTCTCCTGTCTTAGCCTCCCAAGTAGCTGGGATT	87775 ATAATCATTACTGGGCAGTGTAAAACAAACATTAGCACAGCTGGCAAAGAGTGTAGGCAG
THINDANCEDACONCENTRATIFICATION TRANSPORDER SEGIA THE SEGIES OF STATE AND STATE CONTRACTOR SEGIAL OF STATE AND STATE STATE OF STATE		2424
0	ACAGATGTGCATCACCCCAGCTACTTTTGTATTTTTAGTAGAGATGGGTTTTTCAC	87835 ATGGTTCCTTTGGGATCCTAAAAAGCAGGATACAGGTGAGATCTCTGTGACACTGTGGA
0		2424
243 244 245	CATGITGGCCAGGCGGGTCTTGAACTCCTGACCTCAGGTGATCTGCCTGC	87895 TTCAGAAACTGCTGGAACTGTCCCTGTGGTGGCTGCCCCTTGTAGGGGTGGTGCC
CAMACTICAGGGGATTACCACCACACACACACACACACACACACACA		2424
CATTITITIONGCCTTATTCAACCCCTTGCTGCCCCAACG 87054 2424	CAAAGTGCTGGGATTACAGGCGTAAGCCACCGCGCCCAGCCACAGAACATTGTTAACATT	87955 AAGGGTGGCTTGGGGGTTTAGGTCCTCCTAAATTTCCATTAGGCCCCAACAAATACACAA
Particle		2424AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
TITITIANCAACAACAACCACTCACTTACTTACTTACTTCATTTACAACTCACACG 87034 ACCOSSION HOND AND ALL SEQUENCING IN PROGRESS ***, 14 und ACCOSSION HOND ALL SEQUENCING IN PROGRESS ***, 14 und ACCOSSION HOND ALL SEQUENCING IN PROGRESS ***, 14 und ACCOSSION HOND ALL SEQUENCING IN PROGRESS ***, 14 und ACCOSSION HOND ALL SEQUENCING IN PROGRESS ***, 14 und ACCOSSION HOND ALL SEQUENCING IN PROGRESS ***, 14 und ACCOSSION HOND ALL SEQUENCING IN PROGRESS ***, 14 und ACCOSSION HOND ALL SEQUENCING IN PROGRESS ***, 14 und ACCOSSION HOND ALL SEQUENCING IN PROGRESS ***, 14 und ACCOSSION HOND ALL SEQUENCING IN PROGRESS ***, 14 und ACCOSSION HOND ALL SEQUENCING IN PROGRESS ***, 14 und ACCOSSION HOND ALL SECUENCING IN PROGRESS ***, 14 und ACCOSSION HOND A	CATITITCAGGCTTITCCTAACCATCCTATCTAAATTACGCCCTTCGTGGCCCTATTTT	88015 TATAGCTAAAAAAAAA
ACTIVITY NACARCARACTEGGCCT TATTATA ACCORDATA ACCOR		RESULT 8
ACTACCTATCACCATAGGCCCTTAAGGTACTTTATTTTTTTT	TTTTTAACAACAACATCTGGGCCTTATTTATTAGGCACTGTTCTAAAACCTCTGCAAGG	AC004241 155147 bp DNA linear
ATTACTTATTCACCCCACATAGCCCCTATAGGTACTTATTATAGA 87114 KEYMORDS ATTACTTATTCACTCCACCATAGCCCCTATAGGTACTTATTATAGATTCATCCTCACCATAGCCCACATAGCCCCACATAGCCCCACATAGCCCCACATAGCCCCACATAGCCCCACATAGCCCCACATAGCCCCACATAGCCCCACATAGCCCCACATAGCCCCACATAGCCCCACATAGCCCCACATAGCCCCACATAGCCCCACATAGCCCCCACATAGCCCCCACATAGCCCCCACATAGCCCCCACATAGCCCCCACATAGCCCCACATAGCCCCCACATAGCCCCCACATAGCCCCCACATAGCCCCCACATAGCCCCCACATAGCCCACATAGCCCCACACATAGCCCACACATAGCCCACACATAGCCCCACACATAGCCCCACACACA		HOMO Saplens, *** SEQUENCING IN PROGRESS AC004241
TCTACGGGGAAATTGCACACACACACACACACACACACAC	ATTAACTTATTCAATCCTCACCATAGCCCTCTAAGGTACTCTTACTTGTTCTATTTAGA	AC004 S HTG;
TCTACGGGGGAAATTGACGCACAGATTGACACGTGG 87174 REFERENCE 1 (bases 1 to 155147) RICHORS AUTHORS AUTHORS AUTHORS CACACTACACACACACACACACACACACACACACACACA		Homo sapiens (human) NISM Homo sapiens
TITLE	TCTACGGGGGAAATTGAGGGACAGAGGGGTCAGGGAACTTGCCCCAGGATTGTACAGCTGG	
TGGGTGGCAGAGCTGGCTTTAGAATCAACAGTCTGAGC 87234 TGGGTGCCAGAGCTGGCATTAGAATCAACAGTCTGAGC 87234 TGGGTGCCAGAGCTGGCATTAGAATCAACAGTCTGAGC 87234 TTTLE CCAGCTGCTGCAGAGCTGGCTTTATTATTATTATTATTATTATTATTATTATTATTATT		<pre>1 (bases 1 to 15514/) Muzny,D., Arenson,A.D., Brundage,E., Carvelli,K., Chen,E.,</pre>
CCAGCTGCTGCTGCTGCTGTTATTTTTTTTTTTTTTTTT	TGGGTGGCAGAGCTGGGATTCAAACCCAGGCAGCTTGGCTTTAGAATCAACAGTCTGAGC	<pre>bing,Y., Dugan,S., Durbin,J., Forcum,J., Ganesh,R., Garcia,C., Goodman,M., Gorrell,J.H., Haywood,M., Jackson,L., Kampal,R.,</pre>
CTCATGTCCTGCTGCTGCTGTAGTCTTTTTTTTTTTTTT		Karpathy, S., Leal, B., Li, Y., Liu, W., Logan, O., Lu, J., Ly, T., Martinez, C., Oswal, G., Perez, L., Rashld, N.D., Rowland, K.,
TITLE DIPECT SUBMISSION CCAGCTGCTGAGCTGCTCACCTTTATCCACTTTCCACAGTGCTATCCACACAGT 87354 TITLE DIPECT SUBMISSION AUTHORS WORLEY, K. C. TITLE DIPECT SUBMISSION CONGRAL COMMENT (1998 this sequence was replaced by a version gi:290558) COMMENT (14, 1998 this sequence version replaced gi:2943840) ** NOTE: This is a "working draft" sequence record is a sequence recor	CTCATGTCCTGCTGCCCAGATCTGGCTGTAGACGCTCTTTATTTA	
CCAGCTGCTGAGCTGCTTATCCACTTTGCTTATCACAGTGTCTGGCACAGT 87354 TITLE JOURNAL JOURNAL GCATTCAAGTGCTCACCTTTTGCTATCACTTTGCTATCACGTGTCTGGCACAGT 87354 GCATTCAAGTGCTATTGTCAAGTGAAGGGGAATTTCCC 87414 GCATTCAAGTGCTATTTGTCAAGTGAATGAAAGGGGAATTTCAAAT 87474 ATAACCCAACTACCTTAGCAATAATTATGACAGATTGTAGATTTCAAAT 87474 ATAACCCAACTACCTTAGCACACTACTTTGACAGATTTTGACAGAACCCGCCAGGAACAGAACCGCCTCTTAGCACCAGTCATTGATTG		
GCCATCAAGTGCTAATTGTCAGGTGAATGAGAAGGGGGAATTTCC 87414 GCCATCAAGTCCTATTGTCAGGTGAATGAGAAGGGGGAATTTCC 87414 GCCATCAAGTCCTATTGTCAGGTGAATGAGAATGAGAAGGGGGAATTTCC 87414 COLLEGE Of Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE Of Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE Of Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE Of Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE Of Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, One Baylor Plaza, Houston, TX 77030, COLLEGE OF Medicine, T	CCAGCTGCTGAGCTGCTCACCCTTTATCCACTTTGCTTATCACAGTGTCTGGCACACAGT	2 (bases 1 Worley, K.C.
GGCATTCAAGTGCTATTGTCAGGTGAATGAATGAATGAAAGGGGGAATTTCCC 87414 GGCATTCAAGTGCTATTTGTCAGGTGAATGAATGAATGAA		Direct Submission Submitted (28-FEB-1998) Molecular and Human Genetics, Bay
ATAACCCAACTACCTTAGCACAATAATTATGGTAATTTTGACAGATTGTAGATTTCAAAT 87474	GGCATTCAAGTGCTATTTGTCAGGTGAATGAAGGAATGAAT	COLLEGE OF MEDICINE, ONE BAYLOF PIRZA, HOUSTON, TX //UJU, [WARNING] On Mar 21, 1998 this sequence was replaced by a
ATAACCCAACTACCTTAGCACAATAATTATGGTAATTTTGACAGATTGTAGATTTCAAAT 87474 CATGGGTCACGAACCGCTCCTGCCAGTCCTGTCTGTAGTTTTGAGGCCAGAA 87534		version g1:2980958. On Mar 14, 1998 this sequence version replaced g1:2943840.
CATGGGTCAGGAACCGCTCCTGCCAGTCCTGTCATCTTTGAGGCCAGAA 87534	ATAACCCAACTACCTTAGCACAATAATTATGGTAATTTTGACAGATTGTAGATTTCAAAT	* NOTE: This is a 'working draft' sequence. It currently * consists of 14 contigs. The true order of the pieces
CATGGGTCAGGAACCGCTCCTGCCTGTTGTCCTGTCATCTTTGAGGCCAGAA 87534		* is not known and their order in this sequence record is , arbitrary. Gaps between the contigs are represented as
	CATGGGTCAGGAACCGCTCCTGCCGGTTGTCCTGTCATCATTGAGGCCAGAA	* runs of N, but the exact sizes of the gaps are unknown. * This record will be updated with the finished sequence

	901 CCCAGCCTTATTTCTCGTTCCTCTCCCCAGCCCGGAACTTGCCTGTTTGCCTCC 960		1015	GCCCTCTCCCTCCTGGGGTGGAGTCAGGCAGCCCTTCCCACAGCTCAGTCTGGTCTCCT	1468 TGACAGCCTCCGTGAGAGGTGATGGCAGGCGTTGGCCCAGGAGGATGGCTGGACCAAGG 1527 1131 GGCAGGTGCTGGTGAATTCTGCAGGT
	QY Db QY Db	Qy Db Qy Db	ov da ov	G do do do	oy oy oy
of 37328 bp in of 2006 and the access of 37328 bp in of 20504 bp in of 20504 bp in of 17598 bp in of 14269 bp in of 12538 bp in of 1833 bp in of 1809 bp	15446 154445; gap of unknown length 154446 155147; contig of 702 bp in leng Location/Qualifiers 1155147 /organism="Homo sapiens" //mol_type="genomic DNA" 45360 a 35208 c 33813 g 40497 t 269 o	Try Match 10.2%; Score 2299.8; DB 5; Lengt 10.2%; Pred. No. 2.8e-125; 10.2%; Pred. No. 2.8e-125; 10.2%; Conservative 0; Mismatches 2; Indels 10.2%; Conservative 10; Mismatches 2; Indels 10.2%; Conservative 10; Mismatches 10; 11.1%; Conservative 10; Mismatches 10; Misma	61 GGGGTTTTGAGACCAGGGTTTGGAAGAGACTTCAGCACTGCTGGTAGTTTTGGGAATCA 	QY 181 AATGTAGGGAAGAGCAATGGATTGAGGTCCGAACCTGGAGGATCTGCTATACGCAGAGCT 240 LIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Db 388 AGTCAGGAGACTTGCCTGGCAGGAGGCCTGCCAGAGGCCTGACAGTGGTTTCCA 447 Qy 361 TGAACTGCATCCTGCTGCGGCGCGCGCCTGCCTGCACAGTGGTTTCCA 447 Qy 111111111111111111111111111111111

1163 1164 1162 1163 1164 1164 1164 1164 1164 1165	1163	>-		
119 GUETUTEO AND COLOR CONTROLLA COLOR AND COLOR C	1708 GTCTGTTCGAAGTGCATTTCATGCACTGTGTGAGAGCATCGGGAGCGTGCTTTTTTTT			
115 115	1163 CONTINUED CONTINU	Ω	GTCTGTTCGAAGTGCATTTCATGCAGTGTAAGAGCATGAGCTCTGGAGCCTGCTG	2788 CACCCATGTCAATAACCAACATTTAATTAAAACCCACACCCCACTGTGTAATTTGTT
118 118	1768 GCATTCGGCACCAGCCGTTTAGCTCACCATCTGTGTGTGT	>-		1163
18 19 19 19 19 19 19 19	1163 1163	م ،	GCATTCGGCACCAGCCCTTTAGCTCACCATCTGTGTCCTCTGGGCAGGGTACTTCATCC	2848 TGTAAGTAATACACATATATTACTACATTAATATCATAATAAGATAGAT
183 SHYTECTICLE, CATTITATICATICATE CAREACARDA MATERIAL AND TRANSPORTED AND	1828 CTCTGTGCTCAGTTTTATCATCCATAAAAGGGGATACTAGGGGGTGCTGCTGGGGGGGG	^		1163
185 185	1888 GAATTGTGAGGATCAATTGAGTTCTATGAAAGCATTTAGAATTGGTGCCCGGCCACATA 1163	۵		2908 ITGATGGAGTAGAAATGCAAAGCAGGTAGAAAAAGTAAACGTAAGTAGAAGAGGTCATAT
1886 GANTYCTROCCHATTACANCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCACACACACACACACACACACACACACACACACACACAC	1888 GAATTGTGAGGATCAATTGAGTTCTATGAAAGGATTTAGAATGGTGCCCGGCCACATA 1163	>		1163
186 187	1163	, م	GAATTGTGAGGATCAATTGAGTTCATCTATGAAAGCATTTAGAATGGTGCCCGGGACATA	2968 TITCCCCAGGCACATGGATGATCTGATGTACCTTACTTTGGAGGCCACTGCTCTAGGGAC
134 GTORNIACHIANGENTERMINISTERMINI	1948 GTGATACATAAGTATTAGTGCTATTATTATCATCATTTGTGTTTTAGTCATTTAATAGA 1163 1163 1163 1163 1163 1163 1163 116	>		1163
116 2008 NTRATABADICTORANGE CONTRICTORANGE CONT	1163	. ۵	GIGATACATAGTATTAGCIGCTATTATTATCATCATTTGTGTTTAGTCATTTAATATGA	3028 TGGGGACTCAAGCACAGTCCCAGTCCATGAGGAGCTGATGAAAATCAACACCAAGGCTTA
1983 THANTACANTECONTRACANACTICANTANGCENTIFICAGE CANDER CONTRACTOR TO THE STATE CONTRACTOR TO THE S	2008 ATTAATAACAATCTCATGAGATACAGGTACTTTTATCCTATTTTCAGACAAGAACACTGA 1163	>		1163
1163 1164 1165 1166 1167	1163	ء,	ATTAATAACAATCTCATGAGATACAGGTACTTTTATCCTAATTTCAGACAAGAACACTGA	3088 IATAAGACACTICCCAATTTTCAAAGGGCTTTTATACATAGCATGTACTTATAGCTACTA
185 171 187	2068 AGCTCAAAGGGCATGAGCTATTCCTCAAGCTCACAGGAGGAGTAGCTGGGAAC 1163	>		1163
1163 1164	1163	ع ،	74455	3148 ITTATATACATTATTTTATTTGACTTATGAAATAGTTGGGGCAAGTCTTATTGTCTCCAT
1183 TARGENGEGRACHIC CONTROLL CONTR	1163	. >	2007077077077077077077077077077077077077	1163
1163 1163	1163	, ,		3208 ITTACCAGGGAAGAAAGTGAGGCTGAGGGAGGCTCAGACCCTGCCCAGGTTCTTCCTGAC
1183 ACCATINGGROCTICGCROCTICGCROTTEAN ACCACTICATION 1183 ACCATINGGROAN ACCACTICGCROCTICGCCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTC	1163	.	TTANGTAGICTICATTTGTTTAGICACCAAACATTTTTGAGGATCAGCTATGAGCC	1163
1163	2188 AGCANTATGTTAGGAGCTGGAGATACCACAGGAGTAAAACAGGTCAGCTTGATGGTTAA 1163	>-		3268 TCACTGAGAATCTTTCCTCATCCTTTGGATGTGCTTCCCTGGGCTGGCT
1163 1163	1163	Ω		1163
1163 23.0 GTGGAGCTGCCAGACCTGCAGACCTCACACACTTAGCTCCACACACA	2248 GAGCATAGACGGTGGACTCCCAGACCGGTGAAGGCATCTTAGGCTCACCATTACTAGCT 1163	*		CD77
1163 1164 1167	1163	ρ		3328 GCACAIGCACCIGIGIAIICIGAGCACCAGGACIICAACCCCGGIACIAGAAA
1163 1163 1164	2308 GTGTGATGCTGGGCAAGTTGCTTAACCTCTCTGAGCCTGCATTTCCTCACCTGTCAGATG 1163	Α.		1163
1163	1163	۵	GTGTGATGCTGGGCAAGTTGCTTAACCTCTGAGCCTGCATTTCCTCACCTGTCAGATG	3388 CAACCTCTCAGCCTCCCAAACAGCACCTCCACCCTGGCATCCAGCTGGTCCCCGGGCCTCC
1163 1163 1164	2368 AGGACTGTAATTGTATCTACCCACAGGGTTGCAATGGCTAAGTGAGCTAATGTGTGTAAA 1163	>		1163GATGGCCTGCAGCCA
1184 GATGCCCGTGGTGTGGGGCTCAATGTGTTTTTTTTTTTT	1163	ء ،	AGGACTCTAATTGTATCTACCCACAGGTTGCAATGGCTAAAGGTAAAA	3448 CICCCNTICCTGCACCAGTCCGCCTCTGCTGTTTGCAGATGCCATTGGCCTGCAGCCA
2428 GCACTTAGCACAGGCCTCAGGACATGCCGGGCTCAGGACTTATAG 2487 2428 GCACTTAGCACAGGCCTCAGGACATGCGAGGCTCAGGACTTATAG 2487 2428 GCACTTAGCACAGGCCTCAGGACATGCGAGGCTCAGGACTTATAG 2487 2428 GCACTTAGCACAGGCCTCAGGACATGCCTGAGGCTCATTATTATT 2727 2428 GCACTTAGCACAGGCCTCAGGACTTCATTATTATTAGTTTAGCTCATTAGCTCTCTGCGGCTCATTGTTTTTTTT	2428 GCACTTAGCACAGGCCTGCCAGTCAGTGCTGAGAACATGGCGGCGTCAGGAGTATTAAG 1163	· >		1184 GATGCCCTGGTGGCCACATCTCTGGGGCTCAATGAGCGTCTCTTTGTTGTCAACCCA
1163 1244 CAGGAAGTGCATGAGGACCAGGGGGGGGGGGGGGGGGGG	1163	ء ,	しょうきょう ちじょうじょうじょう ちょうかいきょう ちょうしゅう ちょうかいしゅうじゅう ほうしゅつ ほうしゅつじゅつ ほうしゅつじゅつ 日本 しゅうしゅつ はんしゅう しゅうかん しょうかん かんかん かんかん かんかん かんかん かんかん かんかん かんかん	3508 GATGCCCGTGGTGGG-CACATCTCTGGGGGCTCAATGAGCGTCTCTTTGTTGTACCAA
1163 1261	2488 ATGGGCCTCCAGAGAACCTGGAACATTCAAAACCACTGTTCTCTGGGGGGCGCT 1163	. :		1244 CAGGAAGTGCATGAGCT
2488 ATGGCCTCCAGAGAACTTCAAAACCACTGTTCTTCTGCGGAGGCACGGGCT 2547 1163 2548 TGACGCTCCAGAGAACTTCAAAACCACTGTTCTTCTGCGGAGGACGACGAGGAGGAGGAGGAGGAGGAGGAGGAGG	2488 ATGGGCCTCCAGAGAACCTGGAACATTCAAAACCACTGTTCTCTGGGGGGCACGGGCT 1163	> 1		11111111111111111111111111111111111111
1163	1163	۵	ATGGGCCTCCAGAGAACCTGGAACATTCAAAACCACTGTTCTCTGCGGAGGGCACGGGCT	1261
2548 TGACAGCTGGAACCCAGGGCGGTTCAAGAAGTGGGGATGAGAAA 2607 1163	2548 TGACAGCTGGAACCCAGGGCAGAAAATTAGGGGCGTTCAAGAAGTGGGGATGAAA 1163	^		
1163 1261	1163 2608 AGAAAAGCCTTCTCCCTTCAGGAAGTGGGGAGAGATGGTCACCTGTGTCCCTGCCTG	Q	AGAAA	
2608 AGAAAAGCCTTCTCCCTTCAGGAGAGAGTGGTCACTGTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	AGAAAAGCCTTCTCCCTTCAGGAAGTGGGGAGAGATGGTCACCTGTGTGCCCTGCCCTGG GAAGCACTGCCCTCTGGTGACTTGCAGTTGCCCAAAGGTCATTATT GAGACCCTACTAGTGTCAGGTATGTTTAATTT	>		1261
1163	2668 GAAGCACTGCCTCTGCTGCCACCTGGTGAGTTGCCCAAAGGTCATGTTATT 1163	Q		3687 CTGGCTCTGGCTGCTGGGTCCTCAGCACAAAGAAGAGGGCCTCAGCTGATGGGGG
2668 GAAGCACTGCCTCTGCTGGCCACCTGGTGAGTTGCCCAAAGGTCATGTTTATT 2727 2668 GAAGCACTGCCTCTGCTGGCCACTGGTTGCAAAGGAGTCATGTTTATT 2727 Oy 1261	2668 GAAGCACTGCCTCTGCTGGCCACCTGGTGAGTTGCCCAAAGGTCATTTATT 1163	>-		1261
1163	1163	۵	GAAGCACTGCCCTCTGCTGGCCACCTGGTGAGTTGCAGTTGCCCAAAGGTCATGTTAATT	3747 AATTCCCAAGATAGTGCAGGGCAGGGGCTGGTAGCACTGGTTGGGAGCTCCCAAGGAGAA
Db 3807 AGAGGAGCTGCCTAGTTAGGGAGACAGGAGCAGGAGCCCCCAGGAGAAAGGAGGGGTCCCAGGAGAAAAGGAGGGGTC	2728 GAGACCTTATGTGCCAAGGAATGTGTAAGAAGAAAGAAATGAATG			1261
	<u> </u>	> 4		3807 AGAGGAGCCTGCCCTAGTTAGGGGTTCCCCAGGAGACAGGAGCCCCAAAAGGAGGGGTC

1261	 4947 TGGTGAGTGCTCCACCCTGCCTGGCTCTGCTAGGATCAGCTGGGCTCGGCCCTGC 5006	1711 1710	5007 CCTCCAGACACCCTCACTCTTGGCTTCCCTGCAGCCCCTCTACTCGTCCTTTGTCACTTT 5066		CAGGGTTCCCAACCTCGGCCCAGGGCCTAGCTCCAGCCTGTGAGTTTGGGGAGCTGGCTG	1711		5187 GCATGGGGGCAGGAGATCCTGTGAGACTGGGCTGGAGCATGTGGGTGTCCAGTCCTG 5246	1711 1710	5247 GGGTCTGAGGTGCCAGGGCAGTGTCAGGGGCTCCAGAGCCCAAGGGCCTGGCATGGAGCG 5306		CCTGTGTGCACCAGGGCCTGTCTGCCCCTCAGGAACTCCGAGGGGCTTGCGGGCTAGACC		AUTAGAAGAGGGGGGGGTTTGGGGGGTGGAACCTCCCACCTCCAGGAACTTTTGAGG	1/11 5171 5171 5171 5171 5171 5171 5171		CTGGGAGCTCTTGAGAAAATCCACCTCGTGGGGCTCAAGGGATTCAAAGGAGTTTACT	1711 1710	5547 CTGCAGAGAGAGAGGGAGGGACACAGAAAGAGACAGGGATAGAAAGGGACAGAGAGGT 5606	1711 1710	5607 GACAGTGACAGACTTTTCCAAGAAACCTGGGGCCCCTGTGACTAACTGCTGTGAATTTTC 5666	1711	TCAGTGCTAATGGGAGGTTGGAAGCCCCGTGTTCGCCTGTGACAGAGCCTGGGTGAGACC	1711	1711 1710	5787 CCTCCTTGGTTGGGGGTCTGTGGTGGCTTATGGTGTGTGT	1711GGATCCTCATGGAACCACGGGTATACCGACTGGCCCTCGCCAGGTC 1759		TCCCTCTGTCATCCCCTTCATGCCCTTCTTCTCAA	TCCCCTCCTGTCATCCCCTTCATGCCCCTTCTTCTAAAGGTAACAGGGCTTCCTGCCTC	1/98 5967 CATCCTCCATTCCCCCTTCCTCCATCCCCCATTCCCCCTTCCTCC	1798 1797	
	61 1260	61	927 CICCIGCCCICCIAACCCICCIAACACGAGCAIAGAGICCIIGCCCCAACCCICICC 3986	61 1260	87 CCCTACCCTGTGCCTTTCCCTGGATTCCTCAGGCAGCCCCTGAGCACTCTCCCCACCGGC 4046	-GATCCCACACCCTGACCAGGTGGGGCCCACTGTGGGGGGGG	AGATCCCACACCTGACCAGCTGGGGCCCACTGTGGGCTCTGCTGAGGGGCTGGACCTGG 4106	TGAGTGCCAAGGACCTGGCGGGCGAGCGACCACGAGCGGGGCCTCTTCAACAGTA 1379	TCCA		CCAGGTGGAGCTGATCCACTATGTG 1408		CTGGGCCCCCAGCATCTGCGGGATGTCACCACCGCCAACCTGGAGCGCTTCATGCGCCCGC 1468	CTGGGCCCCCAGCATCTGCGGGATGTCACCACCGCCAACCTGGAGCGCTTCATGCGCCGC 4346	TICAATGAGCTGCAGTACTGGGTGGCCACCGAGCTGTGTCTCTGCCCCGTGCCCGGCCCC	7 TTCAATGAGCTGCAGTACTGGGTGGCCACCGAGCTGTCTCTGCCCCGTGCCCGGCCCC 4406	CGGGCCCAGCTGCTCAGAAGTTCATTAAGCTGGCGGCCCA	090	467 GTAGGGCGTGGCCAGAGTCCCCCCGGCTACCTTTCCTAAGCCCCCCTCTTTGCTTAGTA 4526	570	527 TGTTGCCAAATCTGCCACCCTATTTGTTCCCTGGGGTCCCCTGGAGCCTCTGCCTTCCCAC 4586	570 1569	587 CCCATCCAGCTTGGATCTCTGCAGAGGCTGGCCTGGCTGTTGTCTGGGGGCACTGTAGGG 4646	570	647 GIGGCIRCCTIVCCCTGAGGGICTCTGGGTCTTCTGCTCACAGCAGCAGAGCAG	583 AAGAATCTCAATTCTTCTTCTTTTGCCTCAATTTTGCCTTCACCAACTCGGCCATCACCGG 1642 	643 CTAGCCCACACCTGGG		659 1658	827 GGCCCTCCTGGGAGTGCTGGGGCTGGGCCTCCCCCAGAGCAGCCGCTCATCTGCCT 4886	659AGGGGCTGCCTCACAAAGTCGGGAAGCTGTACTCCGCCCTCGAGAGGCTGC 1709	CCTITICACAGCIGCCICACAAAGTCCGGAAGCIGTACTCCGCCCTCGAGAGGCTGC 4946	•

qq	6027 CCCATCCCATGCCTATCTGTGTGTGCACCCACTCTGTTGGAGAGTTATACCTCAAGTGC 6086	00
δλ	1798 1797	7167 GCCCGGCCCTTCCATACATGTTGATAATGTTCAGCCTCTGTGCGAGCCAGGGG 72
QΩ	6087 TGATGCCTCAGGGAGTGCAGAGTGAATTAGGAGTTCTTAGACTGGAAGAATGAAGACAT 6146	
ογ	1798 1797	7561
qq	6147 CCAGACAAATACGGGCTGCCTTCAGGGCCTAAGAGATACAAGGAAATGCTGCTGGGGCTT 6206	7227 CTCTTCGGTCCCCTCACCCGTGGGGTGGGCAGGGACAGCCGTCTTTAGGAATTGGTGATG 72
ογ	1798 1797	1992
qq	6207 GGAGGGGGCAGGGGCGCTCTATGGGGTGAGGTAGGCCCAAGGGAGCCGTTATGCCC 6266	7287 GGAAGTGGTTGGTGGTGGTGGAGGCAAGAAGGCAGATGTGATATGGCTCCTTGGAGGG 734
οχ	1798 1797	
qa	6267 TTCACCTTTTCTGGGCTACAGGAGGGCAGAAGTTTGGGGACCTATGAACAAAACCCATCT 6326	544 GAARAGGIIGGGIICCACARARGGGGGCAICAGGGGGGGGGG
ολ	1798AGACATGACCTTCATTCATGAGGAAACCACACTAGTGGGAGAATCTCATCAA 1851	OY 1594 TOGGACAGICCTIGACACCCGGAGICCAGCACTAGGITTATGICTAGGIG 2033 - - - - - - - - - - - - -
g	6327 CTTTGCAGACATGACCTTCATGAGGAAACCACACACAGTGGAGAATCTCATCAA 6386	45040000000000000000000000000000000000
ò t		
3 8		Qy 2114 GGGGTGGGACTGGAGCTGGAGCAGCATGCAGCGGGAAAGCCAGGGTGTGCCGGGC 2173
, q		Db 7527 GGGGCTGGGACTGGAGCTGGAGCATTGCAGCCGGGAAAGCCAGGGTGTGCCGGGC 7586
ογ		2174 CAAGATACTCACAGGCTGGCCACAGCTGGGCAAGGCTCTCCGTGGAGTGGACTCGAGTCC 223
qq	6507 ATCAGGATCAATACTTACTGTGAAATAGCCCCTGCCTTATTCCACTGCAACTGGGTCTGC 6566	7587 CAAGATACTCACAGGCTGGCCACAGCTGGGCAAGGCTCTCCGTGGAGTGGACTCGAGTCC 764
οy	1864 1863	2234 CTGGAGCAGCGAGTGTGGAGGCAGCCATCCCCTGTGATGACTGGCAGCTAAGGAGGACCT
qo	6567 CAGGGTGCCAGCCTCAGACGTCTCACCATTCAACGAGAGCCCTTCCAGCCCTTCTCTC 6626	7647 CTGGAGCAGCAGTGTGGAGCCAGCCATCCCCTGTGATGACTGGCAGCTAAGGAGGACCT
δλ	1864 1863	2294 CGGAGTGGACCCGAGCAGAATAACGAATGACCCAAGGCCAAGGAAGG
Op	6627 TAAGCCTITCTCTCCTGGCCTCTGCCTTCTGTCCTCTGGTCCCCGCTGGGCCTCTG 6686	//U/ CGCAGTGGACCCGGACCCAGGAATAACGAATGACCCAAGGAGGGGGGGG
ò	1864 1863	Dy 2554 GGCCCCRGGAGTGGGTGGAGTGGAGTGGCCTTGGGACGTTGTGTGTG
g	6687 GGTGTGCTGAGGCGAAGTACACATGATGCCACATAACCAAGGATCTTACAGTCCCTGATC 6746	ATAMOMOTOR AND
'n	1864 1863	4114 じんだんだんだい
qa	6747 CTTGGTTCAGAGGGAGCTTGGCCTCCCTGCTGCAGGGCAGGGCAGGGTTTCTCCC 6806	000000000000000000000000000000000000000
δ		7121 7887 ITTAITITCACAGIGGACAGAGAGAGAGAGAGGCIGCAIGIGIACCGIGIGIGGCA
q	6807 TCAGGCAAGACTTATGCCCCGGTGTTGTCCGCAGAGAATGATGCCCAGAGCCGCGGGGA 6866	2424
ð 2	1890 TGCTGCACCACTGCCGAAGCCACAACCCT	7947 AGGCAGGCCTTGGCCTGGGGCAGGGCCCCCTGCTTTCTTT
3 8	0.045.00.00.00.00.00.00.00.00.00.00.00.00.00	Qy 2424 2423
3 5		Db 8007 CAGCAGGCAGTGGGGCTGCGGGCCTGTGCGGTGCTCCTGAGGAGCTTTATTGTTACTGT 8066
3 8	10000000000000000000000000000000000000	Qy 2424 2423
දු දි	1919GIGCCICCICCICCICACAAGCCGAGITICCCACCICCAGGAGACACGC 1969 6987 ACCCCGGAGIGCTCICCICACACACACAAGCCGAGAITICICAACAAGAAGAAGAAGAAAAAAAAAA	Db 8067 CAACATAGTAGTATGTTCCAGGCCAGAGTGGGCGTGGCAGGGAGGCTGAGGCCCC 8126
: è	つらにうとうというていっているとうのです。「「「「「「」」」、「「」」、「「」」、「」」、「」」、「」」、「」」、「」」	Qy 2424 2423
G Q		Db 8127 GCCCTCTGGGAAGGAGCTGTGGAGGAGAAGCAGCCCCATGCTGGGCACGGGCCAGACTGG 8186
ò		Qy 2424 2423
q	GCTTAFGGTAGTTACCCATGGCTGGCACATCCTAGGCACTTGCCATGTGCCAGGCACGGA	Db 8187 GTCCAAGATCCTGATGCCACCCAGATGTGCCTCCAGGGCTCTGGCCAAAGGGCGGGC

Qy	2424 2423	·
qq	8247 AGCCTGGAGCCCCTGTCAGCCAGCCAGGCTGACCATCAGCTCCCGGTGGTGGTCCAA 8306	Db 9327 TTCAGACTCTAGGGTGAGCCCAGCCCAGCGACACAGAAACCAAGTGCCACGGGGGCC 9386
δλ	1	Ογ 2424 2423
; ;		Db 9387 GGTGTCCTCCACCAGCATTTCTCCTCTGGTCACATCTACGTCCTGATGGGACTTCTCCCT 9446
3	INGGNUTTACAGICCAGAIGCAACIGACAICCCCAACIGCAAICCCCGGTTTTC	Qy 2424 2423
δλ	2424 2423	************************************
QQ	8367 CACACTIGAGCICGICCIGGCCIGITGGGCCAGGCTICIGGGGTCTICIGGGGGGTGGTT 8426	344/ CCICCIIGGACCAICAGCIIIACAGICCAGCCACCGGGGGGGG
ΟŊ	2424 2423	2424
qq	8427 GTGATAGAAACAATGCTGAAGCTTCCGCGGAGAGCCCGTCGCTTGTTGAGGCCCCAACAGA 8486	Db 9507 GCTGCCCCAGTCTCGGGCAGGATGGCTTTTGAGCCTGTTGGGAGAGACCTTGCCAGGAGA 9566
δλ		Qy 2424 2423
qq	8487 CITCCAGGAAATCAGGGTTTATCATCAGTGTTGAGAATGGTCCCAGCAAGCTCTGGTCAT 8546	Db 9567 ATGGTGCCCAGGGCAGGCAAGAGACACACACTCTGGGAGCTAGAAGAGTTGCGGCCCAG 9626
۸Ó		Qy 2424 2423
- 원	ACGAAGTCCTCTTCCCTGCCCCTTCAGCACTTCCCCTAGGAACCAGCTACTGCCAGGA	Db 9627 GGGGCCAGGCCACTCCCAGAGGACAGGAGGCCCAAAAGCGGGGAAAGGCTCCATGTTACG 9686
^ 0	!	Oy 2424 2423
: A	CGCCTCTTGCGAGGCAGGCTCACCCAGGAAGCTCCAGGGACTCCACCCTTGC	Db 9687 GIGGCCCCATGCTGGGAGTTTGTGCTGCCTTCTGTCTCCCTGACTGCCCAAGCGTGGGGT 9746
^ 0		Qy 2424 2423
7 E	いいいきょうきょう ネット・ジャン・ジャー・ジャー・ジャー・ジャー・ジャー・ジャー・ジャー・ジャー・ジャー・ジャー	Db 9747 GGTGTGGGGCAGGAGGCATCCTCTGGTGTTCCCTAGCAGCCCCAGGCTGTGTGCAGGGGCT 9806
3 8	**************************************	Qy 2424 2423
· 3		Db 9807 CCCATTTTGTGTCTCAGCTGCAAGAAGGCCACAAAAGGGAGGAGGGGCTCATGGGACTGCT 9866
3 8	CCI 66CAIGACICCIGAGIATIGAGGCIGCAGGGCCITGGGCGICCAGAGGCAGT	Qy 2424 2423
Š i		Db 9867 GAGAAGAAGGTGTGCAGAAAGGGAGTGTGGCCCTAGATCAGTCCTTTAAAAAAGCCTCTGT 9926
qq	8787 GGTATGGCCCCTCTGCACTTCAGCCCCCATGGATGTGGATACACAGGCCTGCTTCCAG 8846	
οy		9927 TACCTGAAAGGAGGTCAAGGAGAAGGAATGGCTGCGTGTGTGT
QQ	8847 AAAGGGTCAGAGCCTTTAGCAGGGAGGCAGCAGCTGGGCTTAGACCTCAGGTCACTAA 8906	
٥y	2424 2423	ロのなり たんしょうちゅうしゅうしょう よっちょう からしょう からしょう しょうしょう しょうしょう しょうしょう しょうしょう しょうしょう しょうしょう しょうしょう しょうしょう しょうしょう
qq	8907 GIGAATCIGAGCAAGICAGIGAACAGIICCTICCTICCATTICICCACCIGIAAGCCAGG 8966	990/ GGACAGAGGGCATTGTTACACACATCCCCCCTCCTTTCCTCCTTCCT
٥y	2424 2423	74.24
qa	8967 TATGATAAACGCCATACAGCGCTTAGTGACAAACACATAAAACTGTAGCTCCTGCCTCTG 9026	Db 10047 TCCCTGTGAAGGCCTGAGGCTGTGGCCCAGGCTCAGGCCCTGACTGTGGGGGTACACA 10106
Oy	2424 2423	Qy 2424 2423
qq	9027 TAGCAGAGGTGACAGCCCAAGGGCAGTCCTGTGCTATCCAGGCCTGGTAGGGGGGCAGCCT 9086	Db 10107 CCAGGGAGGCCACGCCTCCCCACAGACGGGGTGGAGTGGTCAGTGGAGCCAGCACCTC 10166
οy		Qy 2424 2423
o qa	9087 CGCCTCAGTTGAGGGCTGAGGGAGAGACTGAGGTGCAGATGGCAGTGGTAACCAAAC 9146	Db 10167 IGCIGCTTCAGCATCTCCGCCTGGAGCCAGCTGTCCCCTCTCTCAGGCTCCATCCGAA 10226
λO		Qy 2424 2423
o qu	CAGTTCCCTTGCCGTGGGGGACACAGGAGAAGCACGGAAAGCATCTGGAAAAAAAA	Db 10227 CAAAAGGAAGGCAGAGCCTGAGATCCGGCACCCCATCCCCTCCACTCAGCACTGAGTTA 10286
. 6		Qy 2424 2423
i é	**************************************	Db 10287 GAGCTGGGTGGGGGCATGTCTGCCTTCACACGCTGCCTTATGGCTTCTGTGTCTCCAACA 10346
3 8	1 CANGGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	Qy 2424 2423
ž i		Db 10347 GCCCTCAGCCTCTGGCTGCTCCCTTCCCAATAGTCACAAGATTTACCATGATAATA 10406
දු දි	CCCATTGTCTGCTGGTGTCTCGGCAAAAGCCAGCCAGCCA	
ογ	2424 2423	

qq	10407 GGTTAAGACTTGAATGGTGTTTTCATCTTTCATCTTCACCCTGTCTCACGTTACGTT 10466	
ογ	2424 2423	Oy 2424 2423
qq	10467 ATTTTATCCTGATGACAGAATAGGTACTACAGGTATTTTTACTCTGGTTTTACAGTCAA 10526	Db 11547 CAATTCAGGCACCCTCCTCAGATTCTGGACTCTTCAAGACCTGAGCTGTAGCCTTCCT 11606
ò		Qy 2424 2423
g 6	AGAAACTGAGGCACAGGTTTGCCCAAGGTCACATAACTGCTTAATAGCAGGTAGA	Db 11607 GCAACACAGTCTGCTGGCATCTGAGGGTGAAGGGGCTTGCAGGCCAGGGCACGGGTGACT 11666
δ		Оу 2424 2423
q	10587 CAGGTGAAGTAACTGGATGTGTATCAGCCATGCCCTTTCCCCATGCCCCCGGCACTCCCC 10646	Db 11667 GCCGTCCCTCCCAGTGATGATAAACTGGATCATCCTGAGAAGCCGAGTCTGACTCAGCT 11726
ò		Qy 2424 2423
ବୁ	ATGACAGCTCTCTGAATCCCAACATTTTATTCTTTTGCAGGATTAGACCCAAGCATATAA	Db 11727 GCACTTAGAAAGAGTCTTCTCTCCCATGCCTGGGGGCCTTCCTGGAGCAGGTGCCTCGAT 11786
ò	2424	Oy 2424 2423
· 점	10707 ATTCCTTTTTCCCTCTCTCCATTCCCACATTTTTTTTTT	Db 11787 GGGGTCAGGGAGGATGCTCCTGGTAGTAGTAGAACACAGAGGAGGCTGGTGACTC 11846
ò		Qy 2424 2423
ු සු	10767 TTGTAGGGGCTCTGTGAACAAGACAAAGGCCAGGTGTGTGATGCCTGTAATCCCA 10826	Db 11847 CCAGAAGAAGACAGAAGGTTAAGCTCACAGTTTGGACCCACTTTTTGTGCTAGGAGGTGT 11906
ò		Oy 2424 2423
. අ <u>ප</u>	ATGCTTTGGGAGGCTAGGCATTTGAGACCAACCTGGGTAACAAAGCAAGACCGGTCTCT	Db 11907 GGGATTCTGGTTGTGTGTGTGTGTGTGTGACCAGTGTGCACCCTGGACCAGGGAG 11966
ò		Qy 2424 2423
: £	上である 2 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9	Db 11967 CIGGATGCTTCAGGCTTCACCCTGACTCTGCCTTGCTCTTGGCCCTTGGAGGACCAC 12026
3 8	1000 T T 100 T	Qy 2424 2423
5 6	たいかできょう まいかい かいかい かいかい かいかい カン・アンプラン とり 日本 アンプランプ 田子 文字 ごかんご	Db 12027 TTGGATCTTGGTTTTCTCACTGGAGTGAGTTGTAGGCAGCTAGAGGTGTTTTGGACTGCT 12086
3 8	dos sonos docededes caras dadecedades a locades sa arabas la Alaar (1900)	Оу 2424 2423
ò		Db 12087 GAATGGAGGGCTCTACTGCTTTCCTGGCACTTAGGCGATCCTAGCAGAGGGGTA 12146
අු	11007 ACTCGTCCTTTCTTTGGTTGACAGAAAGACTCTGTCTTAAAAAAGAAAAAACCAAGA 11066	2424
ογ	2424 2423	12147 CASSACATISCETTIFFITABESSACATEACASSATATIFFITAAACATTAACATTAACATTAACATTAACATTAACATTAACATTAACATTAACAAC
Q O	11067 CTGGTAGTTCTGGCCCTCATGGGGGTCAATCATCCAGCTAGGCAGCCAAGACTATCAGTAA 11126	76.46
δ	2424 2423	b7 b7
qq	11127 CAAAAGATGCCGAGGGATAAAGTCCAGAGCAGCAGAATCCCAGGGCTGCAGCATCTCAGT 11186	12207 CCAGAAAGTGCCCTGTCCACCAGAGTATAAGGCAGCATAGGTGGATCCCATAGGTGGGC
ογ	2424 2423	Qy 2424 2423
QQ	11187 GCTTACCCCAAGCATTAAGGCCCAGAGCTGCTCCGTTGGAGCATAGGTTCATAGCCCCA 11246	12267 AGTGTGCTGGGGGGGGGCCTCCATCTCTCAGCAGCCCTGGGCAAGGCAAGGGCTTC
ογ	2424 2423	2424
g	11247 GCTCCCCTGAGCCCTGCACAGCTCTGTCCCCTGAGATGGGGATGCTCTCCACTCATCACT 11306	Db 12327 CTCTCCCTGGGCCTCACTTTCCCCATTTAGAAACAGGAATTTGGATGAGAAGTGTTTGAG 12386
õ		Oy 2424 2423
ପ୍ର	11307 GGCACAAGCCACCTGAGTAGCAGGTATGGTGGCTGGTGGTGGAAATTCTGAC 11366	Db 12387 GATCTATGAATTTGGCAACTCAGGGTGTAAAAGGGGAAGGGGTGTAGGCCCCTTTAAGC 12446
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: è	D1434104409433994341399434399434399434399434399434	Oy 2424 2423
3		Db 12507 ACTGTTTATTGGAGGGGTTCTCAGAGCTCCCTACCCTGAGTGTTGCTCCTGCTACCT 12566
g G	TCTTTCCAAAATGTGTCCTAGTACCCCAACCCACACTCAGTATTGAGCTCCTCCTACATC	
ογ	2424 2423	12557 GCTTGAGTGCATGACTGCTTGCCTTCTACTCTTTGAGTTCTAGTTGTGAGTAGAAGGCCC
q	11487 TGCCAGGCCATGGATCTATACTAAGTAAGTGTCCACCCAGGCCTGTCCAGTTGCTGCAGC 11546	20000000000000000000000000000000000000

Qy	2424 2423	
q	12627 CIGTTATGTAGATACATAAGTTGGGAAGATTCTAATGGCCCAATTGTAGATTTAA 12686	Db 13707 GAGACGGAGTCCTGTTCTGTTGCCCAGGCTGGAGTGCTGGGGAGATCTTGGCTTACTG 13766
οy		2424
Dp	12687 TATTICTAATGGTCACTTTTAAAAGAATAGAAAAAAGAAGACCTCGAGGCAATGGCATTA 12746	13767 CAATCTCCACCTGGTTCCAGCGATTCTCCTGTCTTAGCCTCCCAAGTAGCTGGGAT
Qy	2424 2423	Qy 2424 2423
QQ	12747 GGGGAATTTAATGGCATGATCAGGTGGCAAGGTCCAGAGATGATTACTTAGGGTGGGAGA 12806	13827 TACAGATGTGCATCACCACGCCCAGCTACTTTTGTATTTTAGTAGAGATGGGTTTTCA
Qy	2424 2423	2424
qq	12807 ATGTTACAGGGGTCCTGGGACACAGGCATCCAGGGTGGGAATCAGAGGGAGAGGTAGGT	13887 CCATGTTGGCCAGGCGGGTCTTGAACTCCTGACCTCAGGTGATCTGCCTGC
Οy	2424 2423	2424
qa	12867 GGCCAGTITCACCCTCTCAGCGTTGCTGGGGCTGAGCCCTGCAGGAGCAACCTGTGTGTT 12926	13947 CCAAAGTGCTGGGATTACAGGCGTAAGCCACCGGGCCCAGCCACAGAACATTGTTAACAT
Qy	2424 2423	24.74
qa	12927 GGAGGGAGAGCCTGCACATGCAGGCTGGACTCTGGTGGCCCACGGAGAAGGTCAGCAATC 12986	1400/ TCATTTTCGGGCTTTTCCTAACCATCTAAATTACGCCCTTCGTGGCCCTATTTT
Qy	2424 2423	2424
qa	12987 TCTGTTTCTCTCCGGGTTCTTGACTTTGCACCAGGCAGCTGTGGATTATCTCATCAAA 13046	14067 TTTTTTAACAACAACATCTGGCCTTATTTATTAGGCACTGTTCTAAAACCTCTGCAAG
Qy	2424 2423	77.42
q	13047 TAGAGCACAAGGCTCAGGAGGCTGAGCCATGGAGTTGCTGCTCTTAGCTTAGCCTAGCCATTG 13106	14127 GATTAACTTATTCAATCCTCACCATAGCCCTCTAAGGTACTCTTACTTGTTTTAG
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qa	13107 CAACTITTAGCTICCCCCAGAGCAAAGCACTGTICCTAAGGCTGCAGGCCACAGCCCCAG 13166	14187 ATCTACGGGGAAATTGAGGCACAGAGGGGTCAGGGAACTTGCCCAGGATTGTACAGCTG
Qy	2424 2423	OY 2424 2423
qa	13167 AAAACAGGTGGTTCCTTTTGGCACCAAACCAGGTGAGTTAGACAGTGCGACTCATCAAAG 13226	14247 GIGGGGGGAGAGCIGGGAITCAAACCCAGGCAGCITGGCITTAGAAICAACAGICIGAG
٥y	2424 2423	Qy 2424 2423
QΩ	13227 GGCCATCCCCAAGACTTGAAAATACCGAGGGTGCACGTTTTTTAAATGAAAATATTATCT 13286	Db 14307 CCTCATGTCCTGCTGCCCAGATCTGGCTGTAGACGCTCTTTATTTA
δλ	:	Oy 2424 2423
q	13287 TTGGAATTATAAAATAAATTTACATTATAGAGACTGTAGATTAGAGGAGCTGCCACCTT 13346	Db 14367 TCCAGCTGCTGAGCTGCTCACCCTTTATCCACTTTGCTTATCACAGTGTCTGGCACACAG 14426
ò		Qy 2424 2423
ු අ	CTCACTATIGTCATTITCAGAACTITITITITITITITGAGACGGAGTCTTGCTCTG	Db ' 14427 TGGCATTCAAGTGCTATTTGTCAGGTGAATGAAGGAATGAAT
Qy		Qy 2424 2423
QQ	13407 CGCCCAGGCCGGAGTGCCGCGATCTCAGCTCAAAGCTCCACCTCCCGGGTT 13466	Db 14487 CATAACCCAACTACCTTAGCACAATAATTATGGTAATTTTGACAGATTGTAGATTTCAAA 14546
٥٧	2424 2423	OY 2424 2423
Db	13467 CATGCCATTCTCCTGCCTCAGTCTCCTGAGTAGCTGGGTCTACAGGCGCCTGCCACCACG 13526	Db 14547 TCATGGGTCAGGAACCGCTCCTGCCAGTCCTGTTGTCATCTTTGAGGCCAGA 14606
Oy	;	Qy 2424 2423
qa	CCCAGCTAGTTTTTGTATTTTAGTAGATGGAGTTTCACCATGTTAGCCAGGATGGTCT	Db 14607 ACAGCCCAGCTGTGCCAACATACCTGGGGCGAGAGGCAGCCCATGTTCCTCACGCCAGCG 14666
ò	2424 2423	Qy 2424 2423
qq	13587 CAATCTCCTGACCTCGTGATCTGCCTTGGCCTCCCAAAGTGCTGGGATTACAGGCA 13646	Db 14667 GTCAGCTGCGGGTTGGCCTCGGGCCTGTCTCTCTTGATCTCGCCCTTACTCACTC
ò	!	Qy 2424 2423
r qa	FGAGCCACTGCGCCCAGCCCAGAACACTTTTCTTTGTATTTTTTTT	Db 14727 CGCTGTCTCTCTGAACCTCCTTATCGCTGTCTGCCTGTCTTGCCCACATCTCCTTGTTCT 14786
Qy		Qy 2424 2423

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44.3%; Score 1077.81; DB 8; Length 148875;
10.1%; Pred. No. 7e-49;
ive 0; Mismatches 482; Indels 13704; Gaps
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bp in length
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bp in length
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length
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of 1934 bp in length
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of 1803 bp in length
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of 1578 bp in length
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contig of 1323 bp in length
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                      in length
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contig of 748 bp in length
gap of unknown length
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/db_xref="taxon:9606"
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of 2268 b
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unknown
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of 2672
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of 2627
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gap of u
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Matches 1587; Conservative
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14787 CATTGTGCCTCTAGACCCTCTTTAAAGCCAGTGGAGTTTGAGGACATGCAATAGTAATTT 14846
                                                                          14847 TATAATCATTACTGGGCAGTGTAAAACAAACATTAGCACAGCTGGCAAAGAGTGTAGGCA 14906
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AC004241 148875 bp DNA linear HTG 07-MAR-1991
HOMO saplens, *** SEQUENCING IN PROGRESS ***, 37 unordered pieces.
AC004241
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(bases 1 to 148875)

Muzny, D., Arenson, A.D., Brundage, E., Carvelli, K., Chen, E., Di, W., Ding, Y., Dugan, S., Durbin, J., Forcum, J., Ganesh, R., Garcia, C., Goodman, M., Gorrell, J. H., Haywood, M., Jackson, L., Kampal, R., Martinez, C., Oswal, G., Perez, L., Rashid, N. D., Goodman, C., Scherer, S. S., Shen, H., Timms, K.M., Todd, J., Vo, Q., Direct Submission

Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (28-FEB-1998) Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA (WARNING) On Mar 14, 1998 this sequence was replaced by a newer version gi:2960506.

On Mar 7, 1998 this sequence version replaced gi:2920325.

NOTE: This is a working draft' sequence: It currently a consists of 37 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as a runs of N, but the exact sizes of the gaps are unknown.

* This record will be updated with the finished sequence.
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is gap of unknown length
contig of 8543 bp in length
contig of 7570 bp in length
gap of unknown length
contig of 7074 bp in length
gap of unknown length
gap of unknown length
contig of 6653 bp in length
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Worley, K.C.
Direct Submission
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qo ,	133050	TTTGAGACCAGGGTTTGGAAGAGAGTTCAGCACTGCTGGTAGTTTTGGGAATCA	Qy	1017
δδ	121	CCCATGTGCAGCGACACATGAGGCAGTAAGGAACTCTGCAGGGGTCCCTGAGATTTGGA 180	qa	134190 GGGCCTCCCACCTGCAG
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3 8		AGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	Οy	1017
da da	133230	2*1 GGGAGGAGGACACACACACACACAGGAGAGAGAGGGGAGGGGAGGGGAGCTGGGGAGGGGAGGGGAGGGGAGGGGAGGGGAGGGGAGGGGAGGGAGA	qq	134310 TTCTTGGTCTTCTTTT
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qa Dp	133290	133290 AGTCAGGAGACTTGCCTGGCAGGCGCTGCCAGCCTGACAGGCCTGACAGTTCCA 380	qq	134370 GTGGTTGAACCCCTGCCA
Qy	361	TGAACTGCATCCCTGCTGTGGGCTGGGACACGGCCACTGACACAGTATCGGAGCACAGAA 420	δŏ	
qa	133350	133350 TGAACTGCATCCCTGCTGTGGGCTGGGACAGGGCCACTGACACAGTATCGGAGCACAGAG 133409	QQ .	
Qy	421	421 GGGGAAAGGAGGAGGGATTCCAACTCTGCCAGTTAGCAGCTGTGTGGCTTTGGGCAT 480	y g	134490 TCTGGGTAGAAGGGCTCA
qa	133410	GGGGAAAGGAGCAGGAGGGATTCCAACTCTGCCAGTTAGCAGCTGTGTGGGCTTTGGGCAT 133469	3 8	
Qy	481	481 GTTACTTAACCTCTCTGAGCCTCATTTATTTCATCCATAAAATGGAAATAAAATAAAATAC 540	ž q	134550 CCTCCAAGTGGACGGGTG
qa	133470	GTTACTTAACCTCTGAGCCTCATTTATTTCATCCATAAAATGGAAATAAAAATAAAT	ΛO	
Oy	541 TTTTGT	TTTGTCAAAGGCGCATTGTGAATATTAGATCCTCAGAATAATGCCTGGCTTGTAGCA 600	7 A	134610 GACTTATTGGTCTACTCT
qa	133530	TTTTGTCAAAGGCGCATTGTGAATATTTAGATCCTCAGAATAATGCCTGGCTTGTAGCAA 133589	3 8	
Oy	601	ATGGTAGCTGGAGGAAAAGGAAAAGCGAAAGTCAGCAGCAGGATTTTCATATT 660	à É	131670 AM 0730474 07314 0731474 07314 0731474 0731474 0731474 0731474 0731474 0731474 0731474
qa	133590 ATGGT	ATGGTAGCTGGAGGAAAAGGAAGAAAAAAAAAAAAAAAA	3 6	
Qy	661	AGAACTGCTCTGGACCTATCTGGCAGATGCAGAAGCACACACA	δŏ	
qa	133650		qΩ	134730 CATTGCTGTGTGTTAATG
Qy	721	TIGCCCCGCCCTTAGACATGTTGTGTCTTCTCCTGGATCCTTGGTCCCAGGTGCCTTACC 780	δλ	1017
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ó	901 (CTTATTTCTCGTTCCTCTCCCAAGGCCCGGAACTTGCCTGTTTGGCTCC 960	Qy	1017
r qa	133890 CCCAG		QQ	134970 TTAAAGATCTCAGGCAAC
άO	961 (AGGACGAGCCCCTTCCTGGCAGCTGTGCCATCCAAGTTGGGGATAAAG 1016	QY	1017
qa qa			QQ	135030 CTCTAGCATGCAAATTCA
Qy	1017		QY	1017
qa	134010	GTGGTCTGTGCCGGCTGGGCACAGCCCGACATCTGCACCTGCTGTCTGCTGCTTGTTG 134069	qq	135090 CTCAATATTAAGAAATCT
οy	1017		ΟY	1017
Db	134070	134070 TCCTGCTGTCGTCACCTCGGTGTGCCTGGGCCAAGGTGGCACGCTGTACTCCT 134129	qa	135150 AGGTCATAATACACTTAA

Qy	1017		1016
qq	134130	CAGGGTCTGTGTTCCAGGCTGCTAGGTCTGCCTCCTACCTGCCTCTTTTTGCTCA	134189
Qy	1017		1016
Dp	134190	GGGGCCTCCCACCTGCAGCTTTCAGCTCTTTGGGGATCCCTTCCAACATTTACTGCAAATA	134249
Qγ	1017		1016
QΩ	134250	GCCGCCCTTCTTCCTTCCCTGGGGTTGGAGATCAGGGCCAGCCCTTCCCAAAAGCTCCAG	134309
δλ	1017		1016
qq	134310	TTCTTGGTCTTCTTCTTTCCAGTCCCTTAATGAACTTTTGTCGGGGCAAGTACAACTCAG	134369
QY	1017		1016
qq	134370	GTGGTTGAACCCCTGCCAGCTTGCCCTGGTTGAAAAAGCCTTCCGGTGTAGAAAAGGTTG	134429
οy	1017		1016
qq	134430	TATTGGCCTACCTTTTGGCCCCCGAGGTAGGGTTTGCGCTTGGCCCATAGGGCGATAGTTC	134489
Qy	1017		1016
qq	134490	TCTGGGTAGAAGGGCTCATTTTCTCACGTGTGTGAGATTTGTGTCCCCCCTGAGATTATC	134549
Óγ	1017		1016
qq	134550	CCTCCAAGTGGACGGGTGGCGCCCTTGGGGTTTCATGTCCTCAGGGTCTCCCCATTTCAT	134609
Qy	1017		1016
QQ	134610	GACTTATTGGTCTACTCTTTTCACAATCTTTTCTGGTGCTTTCCCTCCGTTGTTGATTTG	134669
Qy	1017		1016
QQ	134670	TATGGTCTTCCTTTTTATTGGTGAGTGTTGGAATTCCGTTCTGTTTCGAACTTGACTTCT	134729
Qy	1017		1016
Db	134730	CATTGCTGTGTGTTAATGAACATTATCCTCTGTAATCTGTGTGTG	134789
δy	1017		1016
Db	134790	CAACCCTTTTACGCTTCCACTTTTGTTGTTGTCCTTGTGTGCGGTTTNNNNNNNNNN	134849
οy	1017		1016
qq	134850	NNNNNNCCTTTCCTCTCAATGTCTCAGTCAGTGCATAAGCCAAAATAGAATGAAAATCA	134909
Qy	1017		1016
qq	134910	NGTGGATCCCCAAATTCATAATTTCTGCCATCTGAGAAAAGAGTAAAGCAGCAGTAGTTC :	134969
Qy	1017		1016
qq	134970	TTAAAGATCTCAGGCAACTTCTAGAACCAATCAAGGGTCTTTAAATACCCATTACACTCC	135029
δy	1017		1016
qq	135030	CTCTAGCATGCAAATTCATTTAGTAAAACTCTATAGTACAAAGAATTAAAATTTAGAAAAT	135089
Qy	1017		1016
qq	135090	CTCAATATTAAGAAATCTATAGTACAAAATCTATGCAAAAAGCTTTACTTCTTCAAATAA	135149
Οy	1017		1016
QQ	135150	AGGICATAATACACITAAATTAAATAACTATAGTTTACCTGACTGATTTTCCTGAGTTCA	135209

) CCAACAAGACATATTAATGCCTATTTACAGATGAGAAACTGAAAATCAGAGGAGATATT	**************************************	GGTCACATAGTTAGTACTTAGTAACATGAGAATTTGAACCAAATTCTGATTGGTGGCAAA		TAATGCATTCTTTCTTAAAAACATCAAGATATCATTTCAGTTGCAAAAATGACCTTTGTT	TCCCCTATGACAT	CAAATACAGAAAGCTCTCTGAAGGTAGTAACTGTGATTACCCAGTATTCTCATATAGCAT	CTGCCGCCCAGACCACTCAG	CIGIGAGATACACIGITAAGGAATICITTAGAGGIGCCIGGAAATICCCITTTIGGCG 13938	1050	CICCAGATITIOGCAAGGAATICGGGGGAGACCIGGGAAAAAAAACCITIGAAAAACACTICCI	105U	1. I AGGOCALI INNINININININININININININININININININ	GCCTGCTTTTAGTTTCCTTCAGGATCCTCCTCTCCAAAGCATGGGACTGATAAAAA			1907/70 1/01/01/04/04/04/04/04/04/04/04/04/04/04/04/04/		TGGGCTAAGTTTAAAATGTTTGTGTCTCTAAGAAGTCTAGGACAGGATTTTCAGGCATTC	1	TGACAAGCCAGGAGGGAAACGTATTTGGCAGGAACCCTCTGGCACTTTGAGGTTGCTGGC		TAGTTCAGGGCCAGAGGTGAGGACATTATGATAAAGTCTGTAACCATGCAGAGCTTCCAC		TACTGCCAGACTCTATGGATAATACTGCCCCAGGTCTTGAATTGTAGGATGTTAGGGTTA		137070 AAATAAGGTTGATAGCAACTTTATTTTTTTTTTTTTTTT	V V V V V V V V V V V V V V V V V V V	TAITITAITTAATTIAACICCATTITTCATTITGAGACAGAGICICGCICIGCCACCCAG	6 C C C C C C C C C C C C C C C C C C C	GTTAAGAGTGCAGTGGTGTGATCTCAGCTCACTGCAACCTCCACCTCCCAGGCTCAAGAG		ATTCTCCTTCCTCAGCCTCCCGAGTAGCTGAAACTACAGGTGCGTGTCACCACACCCAGC		13/310 TAATTTTGFGFATTTGAGACGGGGTTTGACTATGTTGGCGAGGCTGGAGTGGFGT 13/359	
1016 Db	1016	135329	1016	135389	1016	135449	1016	135509	1016 OY	AAT 135569 DD	1016 OY	CCT 135629 OV	1016	135689	1016	135749	1016	135809	1016 Oy	135869	1016 Qy	135929	1016	135989	1016 Oy	GTG 136049	1016 OY	136109	1016 Oy	TAT 136169	1016 Oy	136229	1016		1016
1017	1017	135270 AGAAGATAAAAAAATTTTTAAAGATAGGTAATATTTTAAAACATGTACAAAACAATCTT	1017	135330 TIGITGCCTGTGACAATCAGGCAACTGTCCTACAGCAAAATAAAGGAGAGAAAAAA	1017	135390 ACTATCATTAGGCCACTGAACTTTCTTTTTGAGACAGATTCTCACTCTGTTGCCCAGG	1017	135450 CTGAGTGCAGTGGCGCAATCTTGGCTCACTGCAACCTCCAGTTCCCAGGTTCCAGTGATT	1017	135510 CTGTACCTCAGCCTCCTGAGTAGCTGGGACTACAAGCACACGCCAACAAGTTCAGCTA	1017	135570 TITIGIATITITAGIAGAGACAGGITITCTCCTCATIGGGCAGGITAGTCTCAAACTC	1017	135630 GGCCTCAAGTAGTCTTCCCACCTTGGCCTCCCAGAGTGCTAGGACTACAGGCGTAAGCCA	1017	135690 CIGIGCAGAGCCAAGCCACTGAACTTTCTTCTCCCCCCAGGGCAGACAAAATCCTAT	1017	135750 GACAAACCATCTTCCACCAGCCCCAGGAAGGATACCTGCTATCATAAGTTGTATCATA	1017	135810 AAACCAAGAAGCAGGCGGGGGGGGGGGCTCACTGTAATCCCAGCACTTTGGGAGGC	1017	135870 CGAGGTGGCCAGATCACCTGAAGTCAGGAGTCAAGACCAGCCTGGCCAACATGGCAAAAC	1017	135930 CCTGTCTTACTAAAATTACAAAATTAGCCAGGCATGGTGGTGGCACCTGTAATCCCG	1017	135990 GATACTTGGGAGGCTGAGGCAGAGAAAATCATTTGAACCCGGGAGGCGGAGGTTGCTG	1017	136050 AGCAGAGATCACACCATTGCACTCCAGCCTGGAAAAAGCAAGACTCTGTCTCAAAAA	1017	136110 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	1017	136170 TCAGATTTTGTGATTTGTAATACACAAACCTATTTATGAAATAATAGAAGGCTTAGAAT	1017	136230 TTATAAGTGAACAAAAATGTGTTATGAGCTTTAAACACACTACCTCTTGCCTCACTAAAG	1017
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1146 1145 1145 1145 1145 1146	q		qa	138690 CTAATTATACATAAATGACAT
13750 GAMTIGTGAGTGAGTCCTTTGGTCTTTTCACCATGAAACTAAAACTCCCC 13729 Db 138750 13730 CAGTGAGCAATACCTCACACATTTCACCATCCATCAAAACTCTTGGTGAAAACTCTTGGTGAAAACTCTTTTGACAAAACTCTCAAAAACTTTTTGAAAAACTCATTTTTGACAAAACTCATTTTTGACAAAACTCATTTTTTTT	٥y		δy	1207
1146 1145 DE AGIGGACIANACICACAGATANCIANGENTRICANAGGICTICG 1145 DE 118810 DE 118810 DE 118730 TACAAAGTGTAGAAAGCACAGATANCTATGAGAATCAATCAAT 13789 DE 118810	qq		අු	138750 IGAAGAGATITAICAAGICAA
137730 CAGTGAGCANTACCTCATCACAGATATTCAAAGATGTTTACCACCACAAAGGCTTGG 137789 Db 138810	δý		Qy	1207
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137790 TACAAAGTGTAGAAAAGACATAACTGAACATTGACAAATTCAAATTCAAATTCAATTGACCAATTCAATTGACCCATTGCCCAAAATTCAAATTCAAAATCGAACACAAATTCAAAATCCTTTGCCCAACAAATTCCCCCTT 1192	δ		Oy	1207
1146	q		qa	138870 ATTAGAGTCCTTTTTCCTCCC
137850 GACGACAAAAGCTTTTTTTTTTTTTTTTTTTTTTTTTTT	δλ		δλ	1207
1197 GGTGGTGGCCACAUCT 1206 1207 12	qq		qa	138930 ITCCTIGCACCTTCTCTAACA
137910 GGGCTAACTTCATCCAGGCTCTGGCTTGACTTTATTAGTGGTGGT 137969 Db 138990 1207	δŏ		Qy	1207
1207 1206 Db 139050 137970 TTTGCCTCTGATTGGTACAGAAATGCGCTTATGCCATTGTATCGCAATTGGAGACTTAA 138029 Oy 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207	qq		අු	138990 TAATTTGCTATATACATTCAA
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1207 1206 Db 139110	qa		qa	139050 ATCATAAGAGTACAGTAAATT
138030 CCAGGAATCACTGGTAATTGTGGCAACTTTAAGGGAGGTTTCTTAAGTTTAGACCTTCA 138089 0y 1207 1	ò		Qy	1207
1307	, q		qa	139110 TTTATGTAAAACGGCATACTG
138090 AAGTGGATTCCTGGTGTTAGTAACCTTTGGAGGGGGAGTTGTGAGTCGAGCCAGGTTCT 138149 1207	ò		Qy	1207
1207	. A		qa	139170 ACAAGACTTATGTTCCTATGT
138150 CCTTTTAGGCCATTAAAGCCGGCCTTAGTTTGGCGCCCAACCGGCTTTGC	}		δλ	1207
1207	; a		qa	139230 ATCAATAACATTAAGTGAGGA
138210 ATTGACAAAAAAGTCCCCTTTTTACAGGGGGACCAGCCTTTTTACATTGCATTGGAA 138269 1207	è		Qy	1207
1207	; <u>8</u>		QΩ	139290 AAAAGTCATGCAGAATTTTAA
138270 GGCCATTTTTGGAATCCCTTTTAAGATTGCGGCGTTTTGAGGTAACTCGNGGCTCTTC 138329 1207	ò		Qy	1207
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٥y	1207		1206
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Qy	1207		1206
qq	138570	TTTGTAAGATTTCAAAGATGAGTAATGGCTTTTCTTTCCTGAAATAATCCAAATATAGAA	138629
Qy	1207		1206
qq	138630	ACAAATGATCAGTTAAAAGCAGCTCATTTATTAATAATTCTGTTTACTAACACAAATACTT	138689
QY	1207		1206
qq	138690	CTAATTATACATAAATGACATCATTTTTTCCCCTGGATACCTGTATTTTAAATGCCCCAAA	138749
QY	1207		1206
qq	138750	TGAAGAGATTTATCAAGTCAACTGAAGAAATTACAATATTCTTAAATGAGAGCTTAGTAC	138809
Qy	1207		1206
qq	138810	GGAAACTATTATTCTGTGAAACACTGGTCATTTCCATACCCTACTTTTCTCTACANAAAA	138869
Οy	1207		1206
QQ	138870	ATTAGAGTCCTTTTTCCTCCCTTTTTAAACTTTTTCCTTTTTTAATGTCTGTACTTGTCAT	138929
Qy	1207		1206
Op	138930	TTCCTTGCACCTTCTCTAACAATGAAACTTTACAGAATGCTAANCTTTGCTATATGCTGC	138989
QY	1207		1206
QQ	138990	TAATTTGCTATATACATTCAAAGAGAATCAACTTCCCAAATCATTGGAAATAGCATATGC	139049
Qy	1207		1206
qq	139050	ATCATAAGAGTACAGTAAAATTCTCACTTAACATCAATAGGTTCAGGAAAACTGTGAC	139109
Qy	1207		1206
δΩ	139110	TTTATGTAAAACGGCATACTGTATAAACAAACCAATTTTACCATAGGCCAATTGACATAA :	139169
Οy	1207		1206
qq	139170	ACAAGACTTATGTTCCTATGTCTTAATCATTTTAATTAAATTGCAGTTTCCAAAAACCT	139229
Qy	1207		1206
Dp	139230	ATCAATAACATTAAGTGAGGACTTACTGTATAACTAAAAAAAA	139289
Qy	1207		1206
Db	139290	AAAAGTCATGCAGAATTTTAACGATCTGGTTGAATACATCTGGATCCAGATTTTTCTGAA	139349
Qy	1207		1206
qq	139350	acaacttaggatacaaagatggttcaatttgctt <mark>gaaaaaaaaaa</mark>	139409
Οŷ	1207		1206
qq	139410	TGATGGCAACACTTACATATCACAAATTACACAACAATTGCTTGGGTAAAAATAGTAAAG	139469
Ωÿ	1207		1206
Dp	139470	AATAACTACTTTGGGAGGCCAAGGTGGGAGGATCACCTGAGGTTGGGAGTTCGAGACCAG	139529
Qy	1207		1206
QQ	139530	TCTGACCAACATGGAGAAACCCCATCTCCACTAAAAATAACAAAAATTAGCCGGGCATGG	139589

140670 ACATCCTCCCCTGCCCAGTGCTCTGGATCCAGCCTGACTGA	1355 CACGACTGGAGCCTCT1370	ACAGAACTGGGGATCTCCTAAGCAGGGAACAGGGCCCTGCTAGGACCCCTCTTTCAGGCT		CCTGCAGTCGCCCCTACCAAGACTCTGAAACAAAAGGACAAAGTGGGCACAGGGTTTGAG	1371	ז כני ז פֿאַמנינע ז פֿפֿפֿנע זיי	TTTGGGAAGGTGGGGAAAGTTGCAAAGAGGGGAGTGGTGGGAGGTAGTAGGTAG	1371 1370	140970 TGTTCAGCCTCAGAACAGAATACAGGGGTGAGGAGAAAAGTGACTCTTAGGGAAAGTGGC 141029		141030 CACAACTGGAATGGGGCAGCCATTGCAGAACACTGATCACTCAAGGTCAGATGCAGTGTC 141089		1CC1666ACCCACACACACACACACACACACACACACACA		141150 TGAGAAGCAGAAGTTGGGGGAGAAAGCAGTTACTCGTTTCTATACATTCGTGTAACAGTA 141209		AACTTGCCGGGAGGCAGGCTGCTTCCTCCTTCTAGGGACCTCTCCAGCCCTGCCCGTC	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	141270 TICGCCTGCTCTTCTGGCTTCTCTCTCTCCCTACCCTCCAGCCCAGCATCACCAGC 141329	○ * ○ * ○ * ○ * ○ * ○ * ○ * ○ * ○ * ○ *	191350 ICAGGICIGIICAGCGACIGIIICCICALICIICAGCATIGCAIGGCIAGCIIGAGCACCAG		######################################	CAGCTCCCAGCCCTAACTGTGAAGCCAGCTTGCCCACATTGGCTCCTACAGGAGGCAGG		141510 AGCCCATCCCTCCTCCCTCCCATCACTGTCATAAGTGGCTCATGAGTGACTGGTTGTG 141569	1457 1456	141570 ACCIGITAGICCIAGGAAGGITIGGCITGGGGCCCAITAAGGCICCCAGCICCCTGCCGCT 141629	1457 1456	141630 GCCCCCCCCCAGGAATGTGATGAACTAGTGCGNNNNNNNNNN		AGTTCATCATCTACAATATTAGGTGAGCATAAAATACAGCACTTGCCTGTATTTTAAATG	1457 1456
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143150 COCCUGARGENTRACAPACACACATACACACATACACACACACACACACACAC	οy		Ογ	1477 1476
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14310 CACACACACACACACACACACACACACACACACACACA	οy		δλ	1477
1477	q	CACACACACACACACACACGCACTACTTTGCCCCTCTCAGATCACGTTCATTTAAATG	qq	
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142770 TACTTGTCACGAGATACGAGAAAGCATCTCAANTAACATAGACGAGTGCAACTATAACATAGACGAGAGATACCAGAAAGGATACCACAACGAAGGATACCAAAGGATACCAAAGGATACCAAAGGATACCAAAGGATACCAAAGGATACCAACAACGAAGGATACCAAAGGATACCAAAGGATACCAAAGGATACCAAAGGATACCAAAGGATACCAAAGGATACCAAAGGATACCAAAGGATACCAAAGGATACCAAAGGATACCAAAAGAAAG	οy		δλ	1477 1476
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δ	1477	ò	GAGCGGGGGATGCTGCACCACT
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QQ	144210 TATATAGCTATGATAATAGATGTGCTCCCTTTCATTAAAATTGTTTAACGCACTTCTGCT 144269	2 2	ANGGGACTGCATCCATGCCTGGTGTTAAGCAGGCCTGGGGTGGAAGCAGAAGCCTTAGAAACTAAGGAAGCCTAGGAAGCCTAGGAAGCAAGGAAGCAAGGAAGG
οy	1477 1476	ò 6	TGFGCCTCTCTCACACTCAGAGGCGAGTTTCCCACCTCCACGAGGAGCACACGTGGC
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· 8	CCAATTGGAAACAAGCCCTTGGAAAAACCCAAATTAAAGCCAACATTGGGAATCAGAACA	qq	145322 AAGTTGCATTGAAATCTGGTTCTTTATTTTTGGCTCTGCCTTTCGAGCAAATTCCGGCTT 145381
ò		Qy	2003 2002
· 8	ATCCTTAAATCCTGGGTTCCTGGATTTCTGTTTCCCATTGGAAGATCCTCCATTGTCTAG	qq	145382 ACATTGCTTTGCTATTTGATTCCGTGGAGTATAAGCCATGGTAACTGCTTTCACATCTAC 145441
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3 8	ON THE PROPERTY OF A STATE OF A S	qa	145442 TGACGCTACCTCATAAGTANTCTTCATAAGTACATACCAGACCTAGTATGATACTGTACT 145501
3 8	5 E	Qy	2003 2002
<u> </u>	14090 GAAGTCCTGAAAAGGAAGGAAGGAATATCCCAAAAGAATTCAAAAAAAA	qq	145502 AGTTCTCGAAAACTTATTCAATTATAACTTGGTTTACTTTTCAACCAATAGGAAAACTTT 145561
ò	1608	οy	2003 2002
7 8	GTCTCACCAAAAGTGCG	qq	145562 AACTTTGGGGGTAAAAATTTTTACCTGTTTTTTATGTTAGTCCCGTTAATAACCTTTAC 145621
ò	CATGTTTGGCCTCAGCAACTCGGCCATCAGCCGACCTAGCCCACACCTGGGAGCGGCTGCC	Qy	2003 2002
' ଶ		qa	145622 ATTTGCTTACTAACTATTTNNNNNNNNNNNNNNNNNNNCAAGTAGTTCATCATGGATTT 145681
ò	TCACAAAGTCCGGAAGCTGTACTCCGCCTCGAGAGGCTGGTGGATCCCTCATGGAACCA	Qy	2003 2002
7 2		qa	145682 TATTCCNCAGTGCAGCCCTCCCCACCACCTAATCTACCTTTCCAGTTCTTTCCC 145741
3 8	CCGGGTATACCGACTGGCCCTTCGCCAAGCTCTCCCTTCTGTCATCTTTTTTTT	οy	2003 2002
7 A	100000000000000000000000000000000000000	q	145742 ACCATTCCTCAACCAAATCCTGGCTGCAGTCACATCTTCTCATCCCTTTTGCTTCCTT 145801
}	TCTTCTCAAAGACATGACCTTCATTCATGAGGGAAACCAACTAGTAGTAGAAATGAGAAAT	Qy	2003 2002
; f		qq	145802 TTAAGCCCCAGCTGAGAATGGCCTGGGGCCCCCTCTGACTTTCCAGGGGGGGCCTCGCC 145861
δ	CAACTTTGAGAAGATGAGAATGATGGCCA	٥y	2003

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đ	146102 GAGACCCAAGGGTGTGTCTGTGGGAGGAGAGCTTCCCACGCCCACAGAGCCCCTCAGGGT	qq	147132 ACAT
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ò	2049	ΟŊ	2247
qq	146222 CAGACACCTICATCIGAGGAGATGCATTCCCACAGCCATTCTCCAACTGCAGACAAGAG	a a	147252 CATT
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7 dd	146352 CCCGCCCCTCACCACTTCACACGTTAACCACCACACGTAACGTAAACGTAAACGAAACGTAAACGTAAACGTAAACGTAAACGTAAACGAAACGTAAACGAAACGTAAACGAAACGTAAACGAAACGAAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAAACGAAAACAAACAAACAAACAAACAAACAAACAAACAAACAAAA	qa	147432 CTTT
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qq	147132 AC	ACATTACTTATTGCAGTCTACTGTTGTTATTTACCAGTTCAAGTGAAGTATAGAAACCTT	147191
οy	2247		2246
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οy	2247		2246
qq	147252 CA	CATTTAGAACCACATAGGACAATGCCGTGATTTTTGCTTCAACCTTCAAACATAATTTAG	147311
οy	2247		2246
qo	147312 AA	aaaactcaagaagaaaaaaaacctgttgtatttgttcatagtttttgcttactgtgt	147371
οy	2247		2246
qo	147372 CT	CTTTCTTCCTAATGTTTCAAGTCCCTCTTTTTATTATTTTGTTTTCTGTTTAGAGAACTTC	147431
Σλ	2247		2246
qo	147432 CT	CTTTACCCATTTTTTGGGTGAAGAACTACTTTNNNNNNNNNN	147491
Σγ	2247		2246
qq	147492 TN	TNTGTCCATCCTCTAGGTATAGGCAAGCTGAACTGCCATGTCACCTAAGATTGATCATCC	147551
λζ	2247		2246
qc	147552 AA	<u>AAAGCAAAACGCACATCAACCGGCAGCTGCCATAGCCAGTAAGCCCACAACTTGAGAGCGG</u>	147611
λχ	2247		2246
q	147612 CT	CTGCAGATTGTAGCTCACCTGAATGACCAGCATGCCATTTCAGCCTAACCTCCGGTGATC	147671
λζ	2247		2246
q	147672 CA	CAAACCTACTCCAACGATAAATACTATAAAATTCTGCCTGTTGATGTAGTTCATGCAT	147731
λλ	2247		2246
q	147732 AT	ATCAGCCCATCTACTTCGGCTCCAATAGCAAAGTTATCCCTGTATACCAATTGGGAATGA	147791
λλ	2247		2246
qc	147792 TA	TATGCACTAAAAGCCTCTAGGACATTGCAATTCAAACTTTGGGGTACTGATGACTCCATCT	147851
λλ	2247		2246
q	147852 CT	CTAAAATTTCAAAAACTGACCATAGCAACTCCCCAAGCTTAAGTCTCATACCCAGGAATGATA	147911
λy	2247		2246
q	147912 TC	TCTATTTGGACATATTCATAGACAAATATTTAGCATTGCCGTAATTACAATCCTTTCATA	147971
λλ	2247		2246
q	147972 AT	ATATGTACCCAGCATCACTACTCACACTGGACGGTATCGGAGTTCACATTCCCGACCAAT	148031

19637: contig of 3214 19657: gap of unknown 22807: contig of 3150 22827: gap of unknown 25888: contig of 3061 25908: gap of unknown 28740: contig of 2832 31494: contig of 2833	31514; gap of unknown 34166; contig of 2652 34186; gap of unknown 36734; contig of 2548 36734; contig of 2548 39263; gap of unknown 41659; gap of unknown 44025; gap of unknown 46369; contig of 2376 44025; gap of unknown 48681; contig of 2324 46369; gap of unknown 48681; contig of 2312 48701; gap of unknown 596973; gap of unknown 596973; contig of 2322 509773; gap of unknown 596973; contig of 2252 50973; contig of 2252 50073; contig of 2	of 2124 bp in unknown length of 2117 bp in unknown length of 2117 bp in unknown length of 2018 bp in unknown length of 2018 bp in unknown length of 1951 bp in unknown length of 1757 bp in unknown length of 1590 bp in unknown length of 1571 bp in unknown length of 1373 bp in unknown length of 1373 bp in unknown length of 1325 bp in unknown length of 133 bp in unknown length of 1139 bp in unknown length of 1132 bp in unknown length of 1158 bp in
Qy 2247 2246 Db 148032 CAGTGTGTAGAAGGGGTACTTTAATCATTAGGCTTTTCCTGGACCCTCAGCCGAATCCTA 148091 Qy 2247	Db 148152 GGTTGATCCGGAAAATCACGTTCCCTNNNNNNNNNNNNNN	ACCOUALLY. LOCUE LOCUE ACCOUALLY. COOUTAIL LOCUE BEFRITION ACCOUALLY ACCOURTED ACCOUALLY ACCOURTED ACCOURTED

	qa	116318 GGCCAAAAAAGGGAATTTCCAGGCACCTCTAAAGAATTCCTTAACAGTGTATCTCACAGA 116259
90839: gap of unknown 1	Qy	92 42
91999: gap of unknown 93133: contia of 1134	qq	116258 TGCTATATGGAGAATACTGGGTAATCACAGGTACTACCTTCAGAGAGCTTTCTGTATTTG 116199
93153: gap of unknown]	Qy	79
94280: CONCIS OF TIO/ DP IN 94280: gap of unknown length	qa	116198 AACAAAGGTCATTTTGCAACTGAAATGATATCTTGATGTTTTTAAGAAAGA
95402: gap of unknown length 9648: contin of 1066 by in 1	δλ	79
96488: gap of unknown length 97546: contid of 1058 bp in leng	ПЪ	116138 TTTGCCACCAATCAGAATTTGGTTCAAATTCTCATGTTACTAAGTACTAACTA
97566: gonetic of unknown length	Qy	79
gap of unknown length	qq	116078 AATATCTCCTCTGATTTTCAGTTTCTCATCTGTAAAATAGGCATTAATATGTCTTGTTGG 116019
99705: concret of the length 100746: contin of 1041 be in in	Qy	79
100766: control or 1041 bp 111 1 1 100766: gap of unknown length 101785: contin of 1010 bp 11 1	qq	116018 CTTTAGTGAGGCAAGAGGTAGTGTTTAAAGCTCATAACACATTTTTGTTCACTTATAA 115959
101805: contry of 1019 up 101805: gap of unknown le 102820: contig of 1015 bm	QY	79
102840: gap of unknown length	qa	115958 ATTCTAAGCCTTCTATTATTTCATAAAATAGGTTTGTGTATTACAAATCACAAAATCTGA 115899
103801: gap of unknown lengt	Qy	79
104/54: COULTY OF 104754: gap of unl	QQ	115898 ATAAAGCTGATATTTAATTGGATTTTGCTGCTTGGTTTTTTTT
105679: contry of 903 105679: gap of unknow	Qy	79
106596: gap of unknown lengt	QQ	115838 TITITGAGACAGAGTCTTGCTTTTTCACCAGGCTGGAGTGCAATGGTGTGTGT
107502: contig of ese by in 107502: gap of unknown lengt	Oy	79
108399: gap of unk 108396: gap of unk	qa	115778 TCACAGCAACCTCCGGCTTCCAAATGATTTTCTGATGAACTACTTTTNNNNNN 115719
109296: gap of unknow 110163: contid of 867	Qy	79
110183: gap of unknown 111019: contia of 836	qa	115718 NNNNNNNNNNNNNGAATGGATTCAAGTTTTATTCAATGCAATTGAGAAGAGGCTCCAAAA 115659
111039: gap of unk 111867: contig of	Qy	79
111887: gap of unknown lengt 112681: contig of 794 bp in	qa	115658 AATTAAATTTCCTGAAATTAATTGAGGCTAGTTTTAGGCCCTACCATATAGCCAACCTT 115599
112701: gap of unknown lengt	Qy	79
113473: gap of unknown lengt	qo	115598 GAAGAAGGTCCAATGCGCTGTGAGTAGGAAGGTGAATCCTGTGGTTGTTGGAGGAAATGT 115539
114241: gap of unknown lengt	Oy	79 78
gap of unk	qq	115538 CCTGTATATATCTGTAAAGTCAATTTGTTCCAAGGTATAGTTTAAACCCATTGTTCTTT 115479
115725: gap of unknow 116389: contin of 66	Qy	79
cation/Qualifiers	qa	115478 GTAGACTCTCTGTCTTGATGACCTGCTGTCAGTGGAGTATTGAAGTCCCCCACTATTATT 115419
/organism="Homo sapiens" /mol trope="neormic DNA"	Qy	79
/db_ref="texon:9606" /db_ref="texon:9606" 31387 a 2521 c 2632 a 32017 † 1432 o+here	qa	115418 GTGTTGCTGTCTATCTCATTTTTAGGTCTATTAGTAATTGTTTTATAAATTTGTGAGCT 115359
23 78. GOVERN 677 307. DB 7.	Qy	78
Score 377,3377, DB 77, Length Pred. No. 1.7e-17; O: Mismatches 823: Indels 62	qa	115358 CCAGTGTTAGGTGCATATATGTTTAGGACTGTGATATTTTCCTGTTGGACAAGGCCTTTT 115299
	Qy	79
TCTGCCCGAATTCCTTGCCAAAATCTGG	qa	115298 ACCATTATGTAATGTCCCTCTTTGTCTCTTTTAACTGCTGTTTCTTTAAAGTGTGTTTTG 115239
18	Qy	79
	qa	115238 TCTGATATAAGAATGGCTACCCCTGCTTTGGTATCCACTTGCATGAAATGCCTTT 115179
•		

à	70	ογ	207 206
5 7		qq	109718 CAAATGTTTTCTAATTCCGTCTCTCCCTCCCACCTTACTTCTCTTCCCTCCGCCTAA 109659
8 8	CICTIGGGATACTTGAGTCAAAAGGAAGCCCATGGAATTCACACACTGTTTGGTGTCCCA	οy	207
È i		QQ	109658 AGCTITGACTCTTCTCCTACCTTTTTGGAGATTTTGCCCCATCACTCATCCTTTTTCCTG 109599
a :	CATATATGTGTATATACACATATATGTATATTTACACATATGTATACACATGTGTATA	Οy	207 206
3		qq	109598 TATCTTTTACTTTGTTGCTTTTTCCCCAGACTATGCTCAAGAACAAGTCTTATATTATCA 109539
අ ද	TACACACGTGTATATATTACACATATGTGTATATACACACGTGTATATTTCACACAC	'n	207 206
S 2	9/	qq	109538 AAGGCAAATGTACTGTAATCTCCATATAATCTCATTTACGTAACTCATTTCATTCCCCCC 109479
3 6		οy	207 206
. a	ACATGTGTCATAATACACGTGTATATATTTACACGTGTGTATATACCCGTGTCTATATAC	qq	109478 CCTCCTTTTTTTGTCCCAGGCTGGAGTGTAGTGGGCCCGTCACCGCCCACTGTGGCC 109419
ò		Οy	207 206
q	110498 ACACGTGTGTATACAGTGTATATATTTACACGTGTATATACACAGGTGTATATATA	qq	TCGATCTCCCGATCCTCCCACCTCAGCCTCCTGAGTAGCTGGAACTATAGGCACCCTCCA
ογ	79	οy	207 206
qa	110438 ACACGTGTGCATACACATATGTATATATTTACACGTGTGTAAACACGTGTGTATATATA	Dρ	109358 CCACGCCTGGCTAATTTTTGTTTTTTAGTAGAGATGGGGATCTCGAATGATGACTACG 109299
ò		Οy	207 206
g	110378 ACACACATGTGTGTATACACGTGTGTATATTTACACACATGTGATACACACGTATATG 110319	qq	109298 TGNNNNNNNNNNNNNNNNNNNNNAATGTTGAGAAGCATGAACTATAAACAGTGTTTTCCTA 109239
ô		Qy	207 206
; a	TATACACAGEGERATATACACATGETATACACACACETATACACACACACACACACACACACAC	qq	109238 ATGTTGAGTGTCGACCGATCAGTGGTAGTAAATATGATTTTTTGCGATTCATAATCTTA 109179
ò		Οy	207 206
급	ATACGATOTGTSTATACACATATATGTATATATTTACACGTGTGTGTACTACTATA	qq	109178 TTTATTTATTTATTTTTTGAGATGGAGTCTCGCTCTGTCGCCCAGGCTGGAGTGCA 109119
2		ογ	207 206
5 5	TA TTTA CACCACATO NANANANANANANANANA CORRECTAR CORRECTOR AREA	qq	109118 GTGGCTCGATCTCAGCTCACTGCAAGCTCCGCCTCCTGGGTTCACGCCATTCTCCTGCCT 109059
ò	E-11-11-11-11-11-11-11-11-11-11-11-11-11	Qy	207 206
: a	AGACGAGGTTGGGCCCGCCGTTGGGGGGGTTGGGGGTTTGGGGGTTGGGGGTTGGGGGTTGGGG	qu	109058 CAGCCTCCTGAGTAGCTGGGACTACAGGCGCCCGCCATCACTCGCGGCTAATTTTTTTT
ì	日本です。 でくして イス くせいき オンス・フィック・フィック・ファック・ファック・ファック・ファック・ファック・ファック・ファック・ファ	ογ	207 206
5 B		qq	108998 ATTTTAGTAGAGACGGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTC 108939
ô	GAGGCAGTAAGGAACTCTGCAGGGGTCCCTGAGATTTTGGAAATGTAGGGAAGAACGCAATGG	Qy	207 206
연		qq	108938 ATGATCCGCCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAACCACGCCT 108879
ò	ATTGAG	οy	207 206
ු අ	AAAAAGCATCTACCCCCGTAAGCATCTCACTTGTTGCGCTGATATTCATTT	QQ	108878 GGCCCATGATCTTATTAACATGTAGTATTTTAATTTTGTAATATAAAAATATTAA 108819
ò		οy	207 206
QQ	109898 GAGTTCCCAACAAAAGCGTTGTACTTTTGTTTTGAATGAGTTGTGCATATATGGTC 109839	qq	108818 CTGTCCCATCAAGTGTGTTTCATCAGTGTCATTGCTGTTTTTCATTTACAGTAGTGATG 108759
ò		Οy	207 206
. g	109838 AAACATGGACACTGCAGAAGAAGCTTAAACCTAATTTAGTTGAGGCTACGAGTCA 109779	QQ	108758 TAAAGTTTTCTTTTAAAATAAAATGATTTAGGGTTGAAAAACAGTTTAGTTGAAATAAAA 108699
ò		Οy	207 206
අ	GAAGACCTATCTGCATCTGCAACTGTCCTTTTTAGTGAGGTATTTTTCACCTAAA	Dp	108698 ATATTAAGTANATAAAAATACACTTGTTACACAGATAGGGGTAACATTTTTAAGGTAGTA 108639
ĺ	Ş	οy	207 206

ć		QQ	107558 AAAGTTATAAATTTGATTGTAAATTAATTTGATATTATGATG
o a	108038 CAGAATGAATTAANGTTAATCTGCAAGATANTATCATTGAGAATGCAGGGGCAATTTATA 108579	ò	207
Οy	207 206	7 1	
qq	108578 CTGCTANAGCGAAATATTCTGAAGACCAATTGTGGATGCATATAATTATGAGTCTCAGAT 108519	αn	NNNNNNNNNNNNNNNAAACAGGGGGGGGGCATTCTACTGGGTTTAAAAATTTGGGAAAATC
Qy	207 206	δy	
q	108518 GGGCTTTAATACTGAATAGATTTATAACCTAGAATGGTTAAAATGAAATAGTTTTTGCAA 108459	qα	CAAAATTTTAATTGGGAACCGAAATTTTTACCAATTTAAAAATTTTAAGGCCTTGGAAA
0y	207 206	δλ	207 206
qa	108458 TAAGTTGCCCCTTTAAATTACATTTGCGTGGTTTATAAATGGGTTAAATGGGGATTCTN 108399	QQ	107378 CTCAGGAATTTANCCCTAAAAATAGGGAATTATCAATTTTAAATATCGATACTGCCATAT 107319
δŏ	207 206	QY	207
g Q	108398 NNNNNNNNNNNNNNNNAAATCCCGTTGATTACAGAATAGTAGGATTGGATT	qq	107318 AGGTGCATATCATAAATTCAGAGAATAGGTAAAATAGCCTTATAAAGCACCCCTCTCAAC 107259
ογ	207	Qy	207 206
· 8	GCACCTTTCTTGAATGGCACTTCAAAGGCCAGACCTGTTCACTCAAGGAGAAATCTTGGG	QQ	107258 TTAAGAACCAGAACATTACCATTATTTTGAAGTTACCTTGATGCTCCTTTCTGTATCCT 107199
ογ		ΟŊ	207 206
QQ	108278 ATTGAGAACAGTGTAAGAATTGTTATCTGGTTGCCCTCTTAAAGATTCTTAAATTTTATG 108219	qq	107198 GTCCCTTGCCTCCCTCCCAGTTAACCACTATCTTGAATTATATATTTGTCATCCTTTTGA 107139
οy	207 206	δλ	207; 206
QQ	108218 IGACACTICAGCAITIAAACTICCAIGCIGICGAAATACCAACGIGAGAGGICAGAGAAA 108159	QO .	TTTAAAAAAGGTTTATTATATATGTATGTTCCTAAATAATATATAT
οy	207 206	δ	206
đ	108158 AGAAGATAAAGAGTGCAGCACTCAGGCAGTTGACATGGGTAAAACTAAATATTTGGGCC 108099	QΩ	TATITITGAGCTIAAAAGTATATCATACIGIGIGIAGITITCIGIGGCICACIAITIAI
Qy	207 206	ΟŊ	207
q	108098 TCACTAGAATCTTTCTATTGGTTTACTATCTCTTCAGAGAATAGTGTAAATGAGGAAGAT 108039	QQ	107018 TATATTTTATGATTCATTCTTGTTTTGATGCTTATAGCTCTAGAGCTCTCATTGTAACT 106959
Oy	207 206	δλ	
QQ	108038 ATGCCTGAGTCCTGGGGTCTATTTAACCTACCACTTATAGCTTGCTT	qq	106958 GTTATATAGGATAATTTCTTTTAGAAATATACCATTATGTGTCTATTCTTGTGTTGCTG 106899
Οy	207 206	δλ	207
đ	107978 AGATCACCCAAGCCAGTGAACACATTCATGATGATCCTGAAGCTGATCGTGGGGGGAAAAT 107919	qa	106898 GATTGTTGGTTCGTTCCTTTCTTCTTTTTTTTCTCTCCCCCC
٥٧	207 206	Qy	207
q	107918 GTTTTATAAAACTAGGGGCATCCTTTGGGTGGATGAAACCGATGAAATCAGGATGAAACA 107859	qa	106838 TCCTTCTGTCCCTCTTTCTTTCTATTGCCCACCTTCTTCTTTCT
δ		Qy	207 206
qa	AGCAGATTAATAAGGGTTGAGCATAGGCCATAAGAAATATTAAAAAACATATAAAAACTGT	ΟD	106778 AATGCTATGAACATTTTGTACATGTTTCTTGGTGTTGGGTCATAAAATGTGTAGATGTT 106719
Oy	207 206	δy	207
qq	107798 CATCAATGATAAAATATTCTCCGCTACTAACAAGTTACTGAAATATATGAAACGTTCTTC 107739	qΩ	106718 CAGCTICACAGGATGATGGCAAAGGTAGTTTGTTGTTACACAGTTGTTACAAAGGTAAT 106659
ò		Qy	207
7 A	TGATCCTTGGCTGGTTCTTTGAGGAATGAGTCGCTGCAGTTAGTT	qa	106658 GGATGAGTTTACATTCTCATTAGCAGTGTATAATAATACCTATTTCCTGATGATGCTGTG 106599
οy	: ;	Qy	207 206
q	GATGGAGACCAGTGGGCTCCGGGCAGAGCACTGAGGAGGCACTTGCTAAATGTTCACTGA	qa	106598 GCNNNNNNNNNNNNNNNNNNNAAACCCCATTGTGAAAAGAAGGGTTTCCAGGGAAAAGG 106539
Qy		Qy	207 206
, qa	ATGAAAAGGGAGTAAAGCTGGAGACTGTTGTGGCCATGCATTGTCCATGAACACCAGGCA	qa	106538 GAAGAAATTTTGGATTTAAAAAGGCCACCTTTTTTAAGGCCAAAAGCCTTGGTTCGC 106479
Å		Qy	207 206
ï		qa	106478 CCCTTGTGTTAGAAAGCCAAGTTAGGCCCAGTTCTGAAATAAAGTGAACGGAAGAAGCAT 106419

ò		Qy Db	261 260 105338 CAACCCCTCCTCACAATACCTGCACAACTACACGAGCACACCACCACCACCGCCTAAC 105279
8 8		ογ	261 260
S 8	106358 GGATGGGGAGTTGGCGAGCAGCAGGAAGATGCCGATGAAGATGCTTCCCAGCAGCAGCACC 106299	g	105278 AACAACTTCCCGCCCCAACCCCGATCCCAAGCCCAACCATTCCTCCACACCCCCACTACC 105219
ò		٥y	261 260
; g	CGCTCTGTGGAGGCCTTAGAGGGAGGAAGGCACAGCAGTTCAGGCTCTGAACCCCTCAT	අ	105218 AACCTTCCCACACCTCCTCACAACAAGCCCACACACTCGAGACCTCCCCTACCCAC 105159
ογ	1	Qy	261 260
g	106238 GGTGCTGCCTGTCCCAGCTCCAGCCTTCTACCTGCTCCAGGCTCTCGCTGA 106179	අු	105158 CATCCCATGACTTACATCCCCCCCACAAACACCCCCAAACCCCTCTACTCACCCAAAGAGG 105099
ò	207 206	Οy	
q	106178 AATCCAGGGACTCCTCGCTGTTGGTGAGTGGTGTCTGGGGGCAGCAGGAAAGCGTGCAC 106119	QQ	105098 AGCCTCTCAACCGAGCCATGCATCACTGTGCCCTGGCAGTCCAGCTAGGCACTGGC 105039
ò	207 206	oy.	
q	106118 ATCAGTGTGAGGTCTTCAAGCCCAGCTCTTGGATACCTCCCCCCCC	a 8	CCAGTTCACTGTACATGGACTTACCCACTGGCACCCTCCGGATCCCCTTATCAAAGCTGA
ò	207 206	Šī i	
g	106058 CTTGCCTAGGCCCCAACCCCAAATGCATCCATGTGGCCACTCCTTCAGCAAATAAACAAA 105999	qq ·	TGGGGATCGTGGAGCCCCCCAGCCTTTTGCTAGAGCCTGACGGCTGTGCGAGCTTGAAA
ò	207 206	Ολ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
g	105998 TATTCACTCAGCACCCTGTGCCCCGGGCATCGCCTCTTCCCACCCTGCCATCCTGATCAC 105939	QQ	AGAAACATGAAGGTGGGTAAGGTGGGGTCAGGGTTGAGGAGGAGCAGGAGAGGGCGGGAG
Οy	207 206	ογ	TACCAGAGTCGGAAAAAAGCAGGGAAGGGGAACCTGAGTCAGG
QQ	105938 CAAACCCAACTCAAGGACTGCCTCCCTACAGTTGAGAGCCCTAAGACACCCATTCTGCTT 105879	Op	AGGAAGCTGACAACGGAGAGAAAATAATGGGTGGGAGGGGAGGGTTAGTCAGGGCTGAG
ò	207 206	ογ	
q	105878 ACTCAGGGCCCAGGTGTGCCCATGCCCCAGGTGAACTGCCCCTGTTGGGGGAAAGAAGT 105819	qq	GAGGAGAGAGAGGTTTAAGCCGAAGCTAGAAGGACTGCTGCNNNNNNNNNN
ò	207GTCCGAACCTGGAGGATCTGCTATACGCAGAGGAGGAGGACAGAGT 257	ογ	308 307
QQ	GAGGGAGCTGGAAGACATGAGACATGAGATAAGAACCTGGGAGATGGGAGCCAGG	qq	NNNNGCACCGTCTGCTCATCAGTCCCTTTTCATTTCCCAATCTTTGCTCCCTTCCCCT
ογ	258 CAG 260	٥ý	, , , , , , , , , , , , , , , , , , ,
q	105758 ATGTGAGCAGCTCAGGAGCCTGGGAACATCCGCTCGGGCTGGGGTCCAGACCTGATC 105699	ΩĐ	104678 GTGTCATATCCCTGCCCTTTGGCCACTTGTGGAGAGGTATTGAGGGACCAGGATGT 104619
ò	261 260	οy	
q	105698 CCAGCTATGTCTGTGTTCTNNNNNNNNNNNNNNNNCACCCCACACCACA	qq	104618 GCCTGCTGAGCCAGTCTCCTCCCTGCCCTAAGGTGGGACAGGGCTGGCT
δ	!	Qy	308 308
q	105638 CCACTCACACACCCCACACCCCATACCCCCACTCTACATCAACACAATTACACTCACTC 105579	qq	ATGATGTAATTGATTATTGATGTCTGCCCAGGTGTGGGGAGGTGGGGAGTAGTGGCACCAGT
δ	261 260	ογ	
q	105578 CCACACCCTCCCCATACAACCAACCACCACATATCCACCA	DÞ	104498 GCCAAAGATTGGCCATTTCTGCTAGGTATACAGTGATGTCTGGCACCCCAGAGAAGATCC 104439
ò		ογ	308 308
g	105518 AACGCCCCCACCAACACCATTTCGCGCTCCATACCCCTGCGACAACCTCCTCC 105459	Dp	104438 TAGAGCTTCTGTTGGAGGCCATGGGACCAGATTCCAGTGCTCATGACCCAACAGGTAAGG 104379
ò		Οỳ	308 307
q	105458 TCCACAACGAATTATCCACATCCACACCCCCGGTTTCCCACTCCACACACCACAT 105399	ф	104378 GCAAGAGACACCCTGCCTGCTTTCTGACTCATTGGGTGCATGGAGCCTGGGAGAGAG 104319
ò	261 260	Qy	308 307
o Q	105398 CCCCCACCCCATCCCCCAACCACATACCTCTCCCCTAAAACCACACCCACCTACAACCC 105339	QQ	104318 CCAGGTACCCTGCATCTGACGTCACCGAATGCTCGATTGGTCTGTACAGAAGTTGGCAAT 104259
	}	οy	308 308

q	104258 AAGTCCTCTTACCTGTGCTTTAGTGGGGAGCACTATCACAGGGGCTGGACACTG 104199	QQ	CCCTTTCCCACTTCCACAGTTTGAGCACTCACAGTATTTGGGGTGTCTCCTGAGTCCTGC
0y	308 307	δo.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
q	104198 CTGGGACTTGCAGGTGGGGATGTGGGGAAGGGTCCTTCCAGCTGTCCATACACCTGTG 104139	QQ	AGGAGCAGTCCGCTTCCTTCAGAGGGTCTGTGGGTTCTCTCGGGATTCCTGGTTTGTTCT
ογ	308 307	ογ	
QQ	104138 CTCAGCAGACTTGGCCTCTGAAGCCTCCCTCCCTCACCCTGTCATACAGAGACAT 104079	q ₀	CGCAGTCATTCTGGAGCTAAAATGTGCGATGTGAGCCTCTGTATGCTGCTCTGTCTG
οy	308 307	δλ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
qq	104078 TCCTCAGCGACTTCCTCCTGACCCACAGGGTCTTCATGCCCAGCGCCCAACTCTGCGCTG 104019	qq	GAGTCAGAGCTGCAATCTAGTCCTGCCTTCTGTCCACCATAATGATCAACAAGTTCTAAT
οy	308 307	oy.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
අු	104018 CCCTTCTGCACCAATATCCTTCCAGGGGGGATGGTGTGCATGGGGATAGGATGGT 103959	q 0	CCTTGTTAATTTTTAAAATTTTTAATTTCAATGTCAGGGATACTTATATCAGGTTTGATATA
ογ	308 307	Qy	307
q	103958 GCGTGGGGTTGAGAAAAATCTCACCAGCGTGGCTGTGTGGCCCTTTAAATGCCAGCC 103899	Dp	TAGGTAAACTCGAGTCACAGGGTGATGTATGCGTANNNNNNNNNN
δ	308 307	ολ	
ΩD	103898 TGCTGCCAGGCCCAGCTTGCCAGGGCCCTGGGCATCCTGCCCTCTTGCCTCAGGTG 103839	qq	TACCCAGCAAAAATTGCTGCCGCCCTTTAACTTTCCTAATGAGATCTGCGGCAAATCAA
Οÿ	308 307	Oy.	1
g	103838 GGTGGCCCTGCTTGGATGTTGTGGTTGATGAACTCCTNNNNNNNNNN	q 0	TAAAATTTTAAAGGATCAGTGAGCACTAACCAAGTGAAACCGTTGTGCTAGGTACTAGCA
ογ	308 307	Ολ	
qq	103778 AGGGAAACCCATAAGGCCAATGATTTTAACCCAGGAGGTTATAGAACCCCTGGGGAAGC 103719	qa	102698 GGATTCCAGGATGACCAGAGTCTAGCCCTACTTTCAAAAGGTTACAAACGCTACATCAC 102639
QY	308 307	δλ	308
QΩ	103718 AAGCAGGTTTCAGGAAATGGAGAAAACCAGAATGAAAAGCCTACCCAGGTCAGGCAATTG 103659	QΩ	102638 ATCCACGAATCACATATGGGCTATATGCTAATTAGTACTTTAAACATTACTAATTTTAC 102579
ò		Οy	308 307
: 名	AAGGGCTGTCTCAATCCCACCATGCTCCCCAGFAATCCCAAGTCTGTTCCAGGCAATTGC	qq	102578 ATTTTACACCTTGCATTAGATTATCTGTCCTTAACTGGTATGTAACATGGATATCTTAA 102519
οy		Qy	308
ු අ	TGAGGTGAGCAGGGTTGAGGAATTGCCCTCAGGGTCCCGGGCCTCCCAGCTGCAAAAGAAC	qa	102518 GGGAAAAACCCTATGGCATTAAAATGTAAGAATACTGTGATACTTCAATTAACCTAGTT 102459
ò		Οy	308 307
qq	AGGGTTCTAATTCTTTCCCCGCCTGTGGAGTCTGCCCACCGGATTCGCCCCTAGCCCGA	qq	102458 TGAAAGTCTAGTTAAAAGTCTTCTTTCAACATAAATACTAAAATACATAC
δ		Qy	308 307
q	103478 GITCTGGCCAGGAGGCTTCTAACCCGGTTCAAATTGTTACAAAGTCCAGCTGGAGACTTC 103419	qq	102398 CIGCAACTAAATAACTICATGTTAGTGAATTGGCACAATAACATTTAAAAGTTTTATAAA 102339
0y	308 307	ΟŊ	308 307
q	103418 CTTCTCCCTGTGGCGTCTTCCCCCATGCCTCTGGTGCCTCCAGGAGGGTCCCTGTGGTTC 103359	qq	GAAAGGATCTCACTATCTATTTAACTTCCTCTTTACAAAGGTAATTATTCATATGCTAAT
δλ	308 307	δλ	308
q	103358 CAGGCAGGAGTGGCTGCTTGGGGACCCAGTGAGCTCCCAGGGCCTTTCCCACTGTTTCTT 103299	qa	102278 GAAGCAGCTTTGGCAAGTGGTTACAAAAACTCATGAAAATATAAAAATAAAATGTTACATTT 102219
ογ	308 307	Qy	308 307
qq	103298 CTACCCATGTATTTTGCTTGGCTCTCTAAATTGACTCCAGGTAAGGTTGGAAACT 103239	q	102218 ATGGGTCACTGAAGAATGTATCTAAATTTAACATTTAAAATGACTCATAAAATAAAATGC 102159
ò		Qy	308 307
· 8	rcictigagtatgactttccactgcccagtgcgggtgtgttcaggagtgagt	qq	102158 TGATCCTTACAAATGTATCTCATTGTTTATATTTTTATTTTCAGAAAAACAGAGTTCACT 102099
ò		Qy	308
7	•	qa	102098 TGAATACAATTCTCACTAGTTAAATCACCATATCACCTTATAGTTAATTAA

ò	308	Qy	308 307
7	1 A C A TH A CHP C CHP C CHP C TH A TH A TH A TH A TH C A TH A TH A	qq	100958 GCCAGCTTGGAGGCCAGCTGGGAGATAAAGCTGTAGGGGATATAAGGGCTGTGCCAGGAC 100899
3 8	10010101010101010101010101010101010101	٥y	308 307
; a	AAAAATTTACATATGAAAGTCAAAAAAAAAAATTATTTAGGAAAATTTACGAAAATTTAGGAAAATTTAAGAAAATTAAAAATTAAAAAA	qq	100898 CTTGGCCTGTGGCTGAGCCTCCCACAATACCCCTAGGAGTCGACCTTGCCTGTGGTTGGT
ò		Qy	308 307
; a	GTATCTTTCTTGAGTTCTTCGACAGAACTATCCTTCAATCCTTGACTTGTCTAGATT	qq	100838 CAACAGTGGGAAGAGTTGAGCAGAGGCAGGTATCCTCCTCTGGACTCTACCTCCTGT 100779
ò		Qy	308 307
· 6	AAATAATGCACGTGCAACTGAAAAAGAAAAGAAATTCTCCATTTTAATCTCANNNNN	qa	100778 GAAGAACTACGTNNNNNNNNNNNNNNNNNNNNNNAAGTAGTTCATCAACATAACGAGAACA 100719
δ		Qy	
q	101798 NNNNNNNNNNNATAATAGCATCATCAGCACTCCCCATCCAGGAATATCTCACTCA	qq	CACAGGGGCGCTATCGCACAGAATCAAATTCGATGACTGGAAATTTTTTGTTAATTTCAG
ò	308 307	Qy	
qq	101738 ACAAGTIGCAGAGTATCATGTCTAGTCACTTTAAATACAGCTTCATATCCTCAGAACAAT 101679	qo	AGGTCGCCTGACGCATATACCTTTTTCAACTGAAAAATTGGGAGAAAAAGGAAAAGGTGAG
οy	308 307	δλ	30.4
q	101678 TTCTATTTGCGCATCAAGATACTGAGTCACGGAGACGCTTAATCTTTCCCAACGTCCT 101619	go .	AGCGCCGGAACCGGCTTTTCATATAGAATAGAGAGCGTTCATGACTAAATGCTTGCATC
ò	308 307	Ολ	30.
q	101618 ACCATAATAAGTAGTACAGCCATACTCAGGCAGTCTAACTGCAGAGTCCATATTCCTAAA 101559	q	ACAATACTTGAAGTTGACAATATTATTAAGGACCTATTGTTTTTCCAATAGGTGGTTA
0y	308 307	ΟŻ	
qq	101558 CACCATTGTGCACTGCTACCTCCTGCCCCGATTGCTACTCTCAAACTTGACTCGCTCAGT 101499	qq	100478 GCAATGGTCTTACTTTCTAACTTTTCTTACCTTTTACATTTCAGCAATATATAT
ολ	308 307	ολ	
q	101498 CCTTACTATGCAATGCCACAAGAATATTCAAGGAATCTTGAATTCATTC	qo .	TTCAAGGATATACCATTCTAATGTCTGCCCCTAAGAAGATGGTGGTTTTGCCAGGTGACC
δ	308 307	Oy	308
q	101438 CTGTAGGTGCCGGGGAACTTTGCTGTAAACTGGAGAGCTCAAACTGAGCAGCAGACACTG 101379	qa	ACGTTGGTCAAGAAATCACAGCCGAAGCCATTAAGGTTCTTAAAGCTATTTCTGATGTTC
ογ	308 307	δ	
q	101378 TCCCAAATCTTCAGGGCCCCAGAGCCTATTGGAATTATCTTTAATCTCCCTAATACAATA 101319	අ .	GTTCCAATGTCAAGTTCGATTTCGAAAATCATTTAATTGGTGGTGCTGCTATCGACCTGC
ογ	308 307	ò	30.5
QΩ	101318 ATCTGATTGGCTCTCCCTCCCAGCACAGTGTCTGGCATGAAGCTGATGATGATTA 101259	qo (AGGGGGGGGGGGAAAGCCACGTTGTGTCTCAAAATCTCTGATGTTACATTGCACAAGAT
ò	308 307	ò t	**************************************
Q	101258 CGGGTGGAAATGAAATGAACAGGAACAGTGGGCAGTCAGCTGGTGCCTGCTATGGGCCTG 101199	3 8	1001/0 AAAAAAIAIAICAICAICAAAAAACIGICIGCIIACAIAAAACAGIAAIAAAAAAAA
ò	308 307	3 8	\\ \tau \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
qq	101198 TAGCCTCAGCAGGGTGGAAGGGAGGAGGTAGTTTCCCAGTTCAATTTCAAGGCCTTTC 101139	2 6	GI INIGAGCCAINII CANCGGGAAACGI CI IGCI CGAGGCCGCGAI I ANNI I ICCANCAIG
ò	308 307	S 6	308
g	101138 ATGCCATCTCCCTCCTTCCTGGCTGCCTTCTTGTCTCCTACTCTCTCT	3 8	
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٥y	308 307	Š	
q	101018 GAGAGAGGAGGATGGAGGAAATTTCACTAATAGGCCTCCCATGGGACTGCAGCAAATG 100959	QQ O	AGCGTTGCCAATGATGTTACAGATGAGATGGTCAGACTAAACTGGCTGACGGAATTTATG
		٥y	308 307

7		QQ	98798 TAGCCATCATTCACACTGAGGAAGACCAGAAAGATGACAATGATGACGAATGATCTTGACT 98739
αn	998/8 CCTCTTCCGACCATCAAGCAATTTTATCCGTACTCACTGATGATGCATGNNNACCCTCTA 99819	NO.	336
οy	308 307	5	
qa	99818 ACNACNCANTNACACACCCTTTAACACCACACCACCCACC	qq	98738 GGGGGACCTGGGCGCAGATCCGAGGGCCCACCTCCCTTGGGGTCTATCCAGGGCCACAA 98679
δ	308 307	Οy	
qa	99758 AACAAATACAACCCATATAAACCACCCAACCACCATCCACACCAC	q	98678 CTCACCACCTGCAGAATTGACCTTCACCAGCACCTGCCCANNNNNNNNNN
ò		οy	339 338
; <u>8</u>	NNNNNNNNNNCAATAGGATCATCATCCAGGTGTCAAACGCCGTGCCCTCCGCAGAAA	qq	98618 CAACCAGAATACAAGTCGACACCGGTACCCTCCCCAAGGTCCCCCCGAGTGACAGAGTAT 98559
٥٥		δy	339 338
7 fi	ことは、これには、これには、これには、これには、これには、これには、これには、これに	qq	98558 GGCCTTGGCGTGCCTTCAAGAAGGGGCCCCCAGGTATTCCCGTCCTAATTCTGCACCCG 98499
}		Qy	339 338
ġ	3.00	qq	98498 ACATGACCCCGCGGAAGTTTCGGTGCACCCTGTCACGGGACGCCATAACCCGTCATCCCC 98439
ì à	G11776717777777777777777777777777777777	δy	339 338
ි සි	GCCATTGCAACCCTGTGGGTAGATACAATTACAGTCCTCATGACAGGAGGAAAGG	q _O	98438 TTAACCAAGATCGGCCCCATCCTTCTAGGCCTCTTCGGCCCCCACGTCTTCCGAGCCCCA 98379
óò		Qy	339 338
q	99458 AGGCTCAGAGAGGTTAAGCAACTTGCCCAGCATCACAGCTAGTAAATGGTGAGCCTAA 99399	QQ	98378 ITCCCIGICIGITCCCCAGACCCCCACATCCAGCATCATCAACCCCCTGAITGAGCCTTC 98319
δλ	1	Οy	339 338
qa	99398 GAIGCCTTCACGGGTCTGGGAGTCCACCGTCTATGCTCTTAACCATCAAGCTGACCTGTT 99339	QQ	98318 CATCGCTCGCGGTCTTACTTTGCAGTTACCAGCCCAGCACCGCTACTGCAAAAGCAC 98259
λŏ		ογ	339 338
- qo	99338 TTACCTGTGTGTATCTCCAGCTCCTAACATATTGCTGGCTCATAAGCTCAAAAA 99279	qq	98258 AGTACTGATTCCATAAGCCACAAGGGAAATGTCTCCTACCTCCCATTTGACTGGCTGCTT 98199
ò		QY	339 338
. g	ATGTTGGTGAGTGAAGAAATGAAGACTAGTTAAGTTCCAAGACCAACTACTCTCA	qa	98198 GTGATCACAGAAGTCAAACACACTGAAGGAGGGTCTTCTACTTAGGTACACTACCCACAT 98139
ογ		Qy	339 338
- සි	CTGTGTGAGCTTGAGGAATAGCTCATGCCCTTTGAGCTTCAGTGTTCTTGTCTGAAAATA	qq	98138 ACCIGGATCCTGGGATAGGCATCCAGGATTGCAGATTCCAGGTGAACCCAAGGCCAAGCC 98079
ò		Qγ	339 338
qa	99158 GGATAAAAGTACCTGTATCTCATGAGATGTTATTAATTCATATTAAATGACTAAAGACA 99099	qa	98078 CICIGGAAGCCCCTGCAGIGITAACCACAGCCTCCTCCAGAGCTGCATTCAGCAGGACAC 98019
ΛO		Qy	339 338
7 A	AATGATGATAATAACAGCTAATACTTATGTATCACTATGTGCCGGGCACCATTCTAA	qa	98018 CAGAGCAGGCTTCATACACACATAAACCTTGGGTCTGTTATTGTTGTTTGGTGTTTTGT 97959
δλ	-	Qy	339 338
, d	ATGCTTTCATAGATGAACTCAATTGATCCTCACAATTCCTCAGGAGGCAAGTAACTTA	qa	97958 CTATTATAAAATATAAATGGATATTCTAAATTTGTTTTAGTCTATTTGGGCTACAGTAAC 97899
è	U1)2172172272227227277777777777777777777	Qy	339 338
5 g	98978 CTATTCCCATTTTATGGATGATAAAACTGAGGAAAAGAAGAAAGA	qq	97898 AAATTACCATAAACTGGGTAGCTTATAAATAACAAAAATTTATTT
ò		Qy	339 338
; d	ACACACAGATGGTGAGGTTAAAAGGGCTTAGTTGCCAATGCAAGCAGGAGGAGCTGCTAAA	qa	97838 AATGGGAAGTCAAACATCATGGCAGATTTGATGTCTAGTGAGGGTTAATAATCTTCTTGC 97779
'n		Qy	339 338
7 A	TGCTCTTACACACTGCATGAAATGCACTTCGAACAGACGCACTCCCATTAATGC	qq	97778 TATAACCTCCCATGGGAGAAGGGACAAGGTAGCTCTCTGGGGGCTTCTTTTTTTT
ò		δy	339 338
7	-	QQ	97718 AAGGTCACTAATTCCATTCATGAGCGCTCTGACCTCATGACTTAATCATCTCCCAAAGGT 97659

è	330	٥y	339 338
5		96 qa	96578 ATGAAGTCAATTTTTGAGGCTGGTTGTTCCACGCGGAAACTGATCTTTTTGTTTTTAA 96519
q	97658 CCCACCTCCTACTACCATCACACTTGGGGGTTAGTTTCAACTATGTTTTAGGGGGCACAG 97599	^O	339 338
ογ	339 338		#JOR # JR JONNINNINNINNINNINNINNINNINNINNINNINNINNI
QQ	97598 GCCTTTAGACATTGCCAAGACATTAGTAGTGGNNNNNNNNNN		CIGICALICITALCITALCITALCONICITCITALINNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
ογ	339 338		
QQ	97538 GAGTATTCCCACAGATAATGGCGGTCAAGATATTTCTTGAATCAGGCGCCTTAGACCGTT 97479	96 qa	96458 TCATCATCCACCTGCACTTCTAAAGCCACTGCTACCTCTGCCCCCCAGGGACCAAATATC 96399
ò		οy	339 338
. a	CGGCCAAACAATTACITGTTGAGAATAGAGTATTTTACCCTATAAATATAACGT	96 qq	96398 CAGAGTIGCICTCCTICCCIAAGGCIGGAATAIGCCAAGCCCGCIGGCCACCCCTACACA 96339
ò		οy	339 338
6	TTTGAACACACATGAACAAGGAAGTACAGGACAATTGATTTTGAAGAATGTGGATTT	96 qa	96338 TTAAGCCCCCAAGTTCCACCTTCCTCCCAACCAACAGGGCTGAGGCTGGGTGGCTCCCAGG 96279
ò		Qy	339 338
· 8	TGATGTAATTGTTGGGATTCCATTTTAATAAGGCAATAATATAAGGTATGTAGATAG	96 qa	96278 CCCACCCTCATGCTCTCCCACTGCCTCTCCACTAGGGCCCAGGCAGG
ò		٥y	339 338
7 8	TAGAAGTTCTTCGACGCTCTCCTTATGCGACTCCTGCATTAGGAAGCTAACAAAG	96 qa	96218 TGGTAAGATGCACTATCTCATCCATGGTTGGGAGGCACAACTTCCTCTTCCAGGGGTTTT 96159
2	041040000000000000000000000000000000000	Οy	339 338
;	プログラン 日本 プラグス キャンコー・アンコンショネ オンフェネン アンプランシン オンス・プロス・プロコンプランギン 自由 ジング・アンド・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・	96 qa	96158 CCACTTAGAAATCCCATAAGGGTCTCCTTTCCACAACCCAGTTGGAAATGACCCCAAGGG 96099
3 8	10001100000001100000000000000000000000	Qy	339 338
S t		pp qa	96098 GAAGTITCTCCCAAGAAAATITATAGTCATAATCATAGCGAATTTCCAGTTCACTGAGAT 96039
<u>a</u>	CAACAGTCCCCCGGGCCTGCCACCATACCCACGCCGAAACAAGCGCTCATGAG	٥y	339 338
δ	339 338		96038 CTCACTITGCACCAGGGGCTTCTCATACATTTCATTTAATCCTTTCCACAGTCCTAC 95979
g	97118 CCCGAAGTGGCGAGCCCGATCTTCCCCATCGTGATGTCGGCGATATAGGCGCCAGCAAC 97059		
δ	339 338	Č	***************************************
q	97058 CGCACCTGTGGCGCCGGTGATGCCGGCCACGATGCGTCCGGCGTAGAGGATCTACAACTC 96999	ט מ	ALAGGAGCAACCCAUTGGAAGGATTCTTTCTCCTGTGGGCAGAGGAGGATTCTCCCCAA
ò	339 338	(
qq	96998 CACTTATTGTTAGGTAGAATTGTCCGTTAGTTGTTTATTAATTGCAATAATGGGGCGTCC 96939	95	CICCICAGCICAGCCCCTCCCTTGGCACTCCTTCCCACCCACCCACTAGCTACCAATTAA
ò	339 338		339 338
ති	96938 AGTTTTGGCAACAGTGTCCTCTTACCAGGACACCTATGAGTTTGCCTCATGGCAACTAG 96879	95	CCCATCAGCACCAGCATTTTGCACAGTTACTAAACAGGAACATGGTCCTGTTCCTCTGCC
ογ	339		339 338
q	96878 AGGTGTTGAAAGTATGCATGGTTATAATTAGAGCAATTCATTACCCTCTGAATCCTGCCG 96819	Dp 82	95798 AGTCCCATCCCCTGGACCTCTCATAACTGTGGGCCCAGGTCCCTTCTGTATTCTTCAATTC 95739
δ	339	Ολ	339338
අ	96818 GTATACCCCATTGTTCGTTATTTTTGGCTAAAACCGCATTAAGAGCTTCGTTTA 96759	Dp 85	95738 TCCTAACACTGCAACAGAGATCCATTCCTCTGACCCCTGTACAGCCCCAGATAGGACGAG 95679
ò		٥y	339 338
7 සි	CCGTCATGCAATGCGGTAGGTTATCGAAGTTTGATATCCCGCCAATATCAGGCGAACGCT	Db 95	95678 GCCCACCTCCTGGTCAAAGGTCCTTTCAGTTTCCTCCTAAGCCTGCCCACCTCCTAAGGC 95619
ò		0У	339 338
;	田田の中で、	95 qa	95618 TCTACCCAAAGTAACATCACACCCTAAACATCACCTGTCACCAGGCAGTGGAAGGAG 95559
l à	170.107.104.107.107.107.107.107.107.107.107.107.107	Οy	339 338
S 6		Db 95	95558 TGACCAAGGGCAGCCAGGCCACTCAGACCCCATGGACACCAGCCCTAGCTTTATTCCTTA 95499
3	50050 IIIGNGIGGGIIIIIIGGAIWACCGCAGAIIGICAGCCIIIIGCIIIIIGCIIIAGCGAICC 303/9	Qy	339 338

93338 AGTGGAAGGAGGGTGGCAGGGAGAGGAAGAAK	q _Q		
	Qy	445 444	QY
93398 CCCATCCACCAGCTCCCGGCCAGAGCAGCACTC	QQ	94478 AATGACTTGTTCATATCAAAATGCCCAGGGGCCCCAGTCCCTGCCCAAACTCCCAT	7 A
445	ογ	445	8 8
93458 CACCTGGCAGATTCCCACAACTTGGCTCCGGG	đ	420 productive de de la lilitation de la literatura de la	5 8
445	ογ	4.26 AAGGAGGAGGAGTTCC	łò
93518 CCCGGGGCACCCCACCTGGGCTCGGGCTCACC	qq	94598 CACAGAGCCCTGGAGACTTAACGACAGGAAATGAGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	3 A
445445	δ	414 - 114 -	2
93578 CCCAAGTAGTGCCTGCTTCCCAGGACTGCCCT	qa	94658 AGTCACTAGGTGTVCCCAAGGGTATCCCTGGGGTCATGGGGCCCCAGA	i q
445	δλ	414	δλ
93638 GAGAGGAAATTGAGGCTATGTGGGTATGAAAC	qa	94718 GIGCCCAAGGCCTGAGGTCTGGCATGTGCAGGCGCCTGGCCCAGGGCTGGGCGGA	ැ දි
445	δλ	413 G	Οy
93698 CTCGGTCCTGGAAGGCCCAGTCGTGTTTCACT	qq	94778	3 · 원
445	Qy	34030 CCAGCCACTICICCIAGCTICCCATCTGGCTICCAGGTCCCTGGGGGCCTGGGG	3 8
93758 CCATCTCATGAGTTCTCACGGGCTCGGGCTCG	qu	539AGAGGCCTGACAGT	Š, f
445	· Oy	94898 AAGTGCTCCCATTCTCAGTCTCCCTACACCCACCCACCTGCCCCTTTCCTCTCCCCTCA	qa ,
93818 TGAGCAGGCGTCAGGCCCCCCGCTGGGAGAGC	: a	339	ογ
	3 8	o 94958 CTCAGTIGCGCATACTICGGACAGCCAGACAGCIGIGGAGAAGTICAAGIICCCACCCAG 94899	qa
440	<i>3</i> €	339 338	δλ
93938 CACAACAGGTAAGGGATGCCCCCAGAGATCAA	qa •	o 95018 TTGTCTGTCCTCTGTCACTTACAAGGAAATAAAAGCCTGGAGGTGAGGTACCTTGTGTAA 94959	qa
	δλ	y 339 338	Qy
93998 ACAGTGAGTCCGTGGCAGTCAGCGCCAGGGGC	qq	o 95078 CCTTGATTTCATTGGATCTCATGTAAAATAGGATCAGATGTGAAATAGGCAGGC	qa
445	ογ	339	δ
94058 CATCTACAGAGGAAGAACTGACTTGGGGGGG	qa	95138 CTCAAAGGGCTCACTTTACAGTTTACAAAGCACTTTACAGTTTACAAAGCACAAATCGCCC	qa
445	Οy		Qy
94118 AGCCACAACTGGGTCTCTGAGTGGGAAGGGTC	qa	95198 CCTGAGAATCTGGGGTTTGTGGACATCTCTGGACAGGATGCTCTACCATCTACGAGCCCT	qa
445	οy	y 339 338	Q
94178 GTCCAGCTGGAATTTGAACCTGGACCCACCGG	qa	95258 GGCCTGTACGCCCTGGAATAATGGCCATGAAAGCCCCTCACGACCCTTCTTCCTACCA	· qa
445	ζ		ò
94238 ATAACCTCACTGACAGAACAGAACTAGCATGA	qa	b 95318 TGGAAACACTGCTTAGTAAAGATTCCCTGCCCTATGGTAACAAGCCATTTGGAACTCCCG 95259	qa
445	λō	у 339 338	δò
94298 CCCCAGGGGATTGATGATNNNNNNNNNNNNNNNN	q _Q	b 95378 GCCTGGAAGGTGAATAAGGCTTTGTGGAACCAAGATTGGGTCAGAAACCGCATTTTTACA 95319	qa
	δλ	у 339 338	Qy
94358 GAGGCCACATTAGGAGGGGTGGTGCTGGACGC	අූ	b 95438 TTGGGGCTGATCCTCCAAGGTGTCAAGAAGGGAATTNNNNNNNNNN	q
445	δλ	у 339 338	QY
94418 TGGAGCCCACAACCCAGGCTCCAGCACCAGCC	qa 	b 95498 CAGTGGCCCCAGACAACAACTTGGGGAGATCAAAAGTCAGGCTGGACTAAGGGAIAT 95439	ą
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CCCCTTCCTGGTATTATTCTGACTTGGGA 94359 SCGTGGCCAGGTTGGTCATTTCCTGTCATC 94299 NNNNNNNTACAACACCCTAAGAATGGTCT 94239 SGACTGCAGTTTCCAAAACCCACTTGTTTC 94119 GGTTTGGGAGTGTGGAGGGATCCAGGTCAC 93999 SCTTCTGGGCCAGCCAGGTTCCCTTCCCTC 93939 AATCTGAGAAACCGTGAAATCTGAGTGCTG 93879 AGAGGTTCAAGTCACCCAGCCAGTAGCAA 94179 CCTCAGAGATCCCCCTGGTCCAACATCCT 94059 TCTGACTCACGGCTTTCGAAGTGCCACAG 93819 SCAGGGCCACAGCTTCGGCCAACTCCTCCT 93759 ACCCCACTGCGATGCCACCCCTCAGCACTC 93579 TGCCTATGGAAGGTAGAAGGGGACAGGCC 93339 GGGCCCGGGGAACCGGTAGAATTGGGCAT 93699 TGGGGGGCAGGCCCAGGCGTGGGGGAG 93639 TGTCCTGTCCCCCTCACTGCCCAGCCCAG 93519 ACCATGGCAGAGGGCACCTTCATCCAGCAG 93459 GAATGGACCCCAAGTCCCAGGGCCAAGAT 93399 93338 AGTGGAAGGAGGGTGGCAGGGAGAGGAAGAACTATGCATTAGATAGNGCACCTCTGAGG 93279 444 444 444 444

ä		Qy 481 480
ò	777	Db 92198 TCCAGTCTGTGGTACTTTGTTATGGTAGCCCTAGGAACCGAGTACAGATGGTACTTACAT 92139
qq	93278 CCCAAGCCIGGITICGICCIGIGCIAGGAIGCAGGITAGGCCCAGGIGCTIACATIAAGI 93219	187
δ	445 444	TOP
đ	93218 TGACGGAGGAGGAAGGAATGAGGCTTGGCAAGAGCAACAGGGCTCAATTACGGTTGAGCTT 93159	92138 TCTAGAACTCTTGAGAGGCTCTGGACTAGGGAACACTAGGTATAGTAAAGGGTGTATAGT
δy	44545 470	
Q	11-	Db 92078 CIGITGGGTAAATATCAGCTGATATTTTGGGAAAATCTCAGTCATTGTTGCTTCAAACTA 92019
ò		Qy 481 480
5 8		Db 92018 TCTCTTGATGAACCACTCGNNNNNNNNNNNNNNNNNNNAATATCTAATTTCAGCGAGAA 91959
3 8	COLINGIANI ILCALONIGIAL CCALILON CALLANA CCALINA AND CALINA AND CA	Оу 481 480
5 2	***************************************	Db 91958 CCTGTGTGCGATATGTCACTCTAGTAAATCTGTCGATCCGCATAGTTAACAAGT 91899
3 8	GRATIGIAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	Оу 481 480
ŝ		Db 91898 ATACACTCCGTATCGCTAACGTGACTGGGTCAATGTGCGCCCGGACACCCGCCAACACCG 91839
g	92978 AATAATGAATATTAATATAATACTGGGCATTGGTGGTAAAACAGAAATTTTAAAAGCCA 92919	481
ογ	481 480	91838 CTGACCNGCCCTGACGGGCTTGTCTCCCGGCATCCGCTTACAGAGCTGTGACCG
đ	92918 TCATTCCTTAAAACCTGTAAGTGGGGTCATAAGGCTAATAAAAGGAAACAAGAAAATA 92859	
ογ	481 480	184
qq	92858 ICTGTTAAATGAATTAAGAATTAGGATAAAGGAGAGATTACTGTGGTCTTAACATCAGCA 92799	Db 91778 TCTCCGGGAGCTGCATGTGTCAGAGGTTTTCACCGTCATCACCGAAACGCGCGAGGCAGC 91719
ò	481	Οχ 481 480
7 8	AGAAGACTTCTTAGTGGGAGGTGATACTTAAAAAAAAAA	Db 91718 TGCGGTAAAGCTCATCAGCGTGGTGGTGAAGCGATTCACAGATGTCTGCCTGTTCATCCG 91659
ì	***************************************	Ογ 481 480
5 1		Db 91658 CGTCCAGCTCGTTGAGTTTCTCCAGAAGCGTTAATGTCTGGCTTCTGATAAAGCGGGCCA 91599
<u>a</u>	GGTGGATTAACCACATTTTTTTTTTTTTTTCCTCCTCAGATTCTAGTAAAATAATAGTAA	Oy 481
δλ	481	Db 91598 TGTTAAGGGGGTTTTTTCTGTTTGGTCACTGATGCCTCCGTGTAAGGGGGATTTCTGT 91539
qq	92678 AGAATTACAAATGAATAAATCATAAACAGCAAAAAGAAGGGGAACTGCATTAGGAAACAA 92619	107
δ	481 480	Top
QQ	92618 AAACTATTAAFACATTTTAGAAAGATGAAGGTGGAGGAGTTACAGAAAGGATTTGCATG 92559 ~	Db 91538 TCATGGGGGTAATGATACCGATGAAACGAGGAGGATGCTCACGATACGGGTTACTGATG 91479
ογ	481	ογ 481 480
අ	92558 AGGGAGCATGAGGAAAGTATTATGGGCTAAATTATGTTCTCCTCAAATTCATATGTGAA 92499	Db 91478 ATGAACATGCCCGGTTACTGGAACGTTGTGAGGGTAAACAACTGGCGGTATGGATGCGGC 91419
ò		Qy 481 480
7 A	GTCCCACCCCACTACACAAACAACAAAAAAAAAAAAAAA	Db 91418 GGGACCAGAGAAAAATCACTCAGGGTCAATGCCAGCGCTTCGTTAATACAGATGTAGGTG 91359
ò		Qy 481 480
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3 8	בני כיניסי ז המינים נסתפסיו כמו זמספסיו מפסיכו המיומכסיו במיוסכיו במיומכסיו במיוסכיו במיוסכיו במיוסכיו במיוסכי	Qy 481
5 6		Db 91298 CTGACTTCCGCGTTTCCAGACTTTACGAAACACGGAAACCGAAGACCATTCATGTTGTTG 91239
3 (alomoglgaliaggacacacacataggaggaaggaaggaccatgigaagacacagggaga	Оу 481 480
ò	184	Db 91238 CTCAGGTCGCAGACGTTTGCAGCAGCAGTCGCTTCACGTTCGCTCGC
qq	92318 AGACAGCCATCTGCAAGGCAAGGAGAGGCCTTTAGAAGAAACCAATGCTACTGGCACC 92259	
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qq	92258 ITGAICTIGGACTICTAACCICCAGAAITGIGAGAAAATAAAITTITATTATTAATCCA 92199	CATTCTGCTAACCAGTAAGGCAACCCCGCCTAGCCGGGTCCTCAACGACAACA
		Qy 481 480

;		6 qq	90038 AAATAAATTTCTGTTTTTA
Q O	91118 CGATCATGCGCACCCGTGGCCAGGACCCAACGCTGCCCGAGATGCGCCGGCGGCTGC 91059	٥C	481
6y	481 480		
q	91058 TGGAGATGGCGGACGCGATGGATATGTTCTGCCAAGGGTTTGCGTTTGCGCATTCACAGTTC 90999		09978 CGAATGGACIACGGIATGA
QY	481 480		
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δ	481 480		
QQ	90938 GGCTTCCATTCAGGTCGAGGTGGCCCGGCTCCATGCACCGCGACGCAACGCGGGGAGGCA 90879	B QQ	89858 TAGAGCTAAAAATTGGCCA
٥y	481 480		
qq	90878 GACAAGGTATAGGCGGCCCTACAATCCATGCCAACCCGNNNNNNNNNN		89798 TTTGAACTACTTCCAGCTG
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qq	90818 CCACTGATCATCAGCATAGTACCTAGCACAGACGTTTGCACATAGTTAGGTGCTCAACTG 90759		89738 AAGAAGTACAGATCACAAG
Qy	481 480		
qq	90758 ATACTTATAAAATTTAATTGAATTTGACGCAAGAATCATATTAAGTAAATGTTTAAAGTA 90699	8 QO	89678 GATGAACACGNNNNNNNN
Qy	481 480		
qa	90698 GCAGCCTAGCAAATTTTTGGGCATGGTGAAGCACTGGTAAAACCAGTTAATTTTAGAGA 90639		89618 AACTGAGAAACCCCTAGGC
οy	481		481
qa	90638 CTATCAAGTTGTTAAAAATATTAGGACACCATCCTTTAATTGTTATCAGCATCAATAAG 90579		89558 GAAIGTAGTGCCATACCCA
δ	481 480	ΟŊ	481
qq	90578 ACAGTTCAGTTTACAATTTTATACGATATTGTGGGTTAATTTTTATTGCCAFTATACATAT 90519		89498 GTGGAGACGGGCCCTTTGG
οy	481 480		
qa	90518 TACTATTCTTATGAATTGTTTGAGAAGTAATCATAATTTATTACAAAGATAATTTCTTC 90459		89438 TACTACCCTTATTAAAAAG
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qa	90458 AGAITGTGGTATAAATTATTGAGATATGTTTGTAATTTGGATAGTTTGAATGCTTTAAAA 90399		89378 CTCTCTGGCTCTTTATCTG
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qa	90398 TACACTIGATAGAGITTATTAACTITGTTTATTGCTAAATGTATTATGATATATATACACAG 90339		89318 CAGCCATCTGCAAACCAGG
٥y	481 480	Qy	481
qa	90338 GCAATTGAATTTAGCTTTTTATCTGCTATGATCTGAATGTTTATATCCCCCACAAATTCA 90279		89258 TCATGGACTTATCAGTGTC
Qy	481 480	Qy	481
q	90278 TATGTTGAAATCCTAACCCTGAAGGCGATGGTCTTCGGAGTGGGGCCTTTGGGAAGTGAT 90219		89198 GTGTATGGTATTCTTAAAA
δò	481 480	Qy	481
qq	TGGGTCAAGAGGGCAGGCCCTTGTAAAAGAGGCCCCAGAGAGCTTGTTCACCAATTACAC	8 qa	89138 GCCTATCAGTGGGATTATA
Qy	481 480		481
qa	90158 CATGTAAGGACACATAAGAAGGCACCATCTACGAACAAGAAGGTGGGCCTTCACCAGACA 90099		89078 TACTTAGCACGTAATATGA
Qy			481
q	90098 CCAGAGACCAGAATCTACTGGCATCTTCATCTTGGACTCCCCCATCCTCCAGAACTGTAAG 90039	8 qa	89018 GTATAGAATGAGAATGAAG
٥٧	481 480	QY	481
		8 qq	88958 GAACATTTAAAGACCTTTT

qq	90038	AAATAAATTTCTGTTTTTATTAATGTAAGCTACCCAGTTTGATATTTTATTATAGCAACC	89979
δy	481		480
qq	89978	CGAATGGACTACGGTATGATCCTTTGAAGAAACTTACAAGGTAGTCAGGGCAGGTAATGT	89919
٥y	481		480
Op	89918	TATTGTCATTCTTAACATAAGAAAGGAGGCTCAGAGGGTTAATGTTCTCTGCATGATTA (89829
٥y	481		480
QQ	89828	TAGAGCTAAAAATTGGCCAAAACAGTTCAGAACGTGCTGTCTTCTTAATGTAGAGCTA {	89799
οy	481		480
QQ	86468	TTTGAACTACTTCCAGCTGCAGTTTTTATGTTGTTTACCTGTGTAGAGACTGTTAACTG {	89739
Qy	481		480
qq	89738	AAGAAGTACAGATCACAAGATTTACTATAGAATTTGAATTTTAAAAAATTTCTGATGTTT {	89679
٥y	481)	480
qq	89678	GATGAACACGNNNNNNNNNNNNNNNNNNCACTTATGGAACCCAGTAAAGATGTGACTT E	89619
٥y	481)	480
qq	89618	AACTGAGAAACCCCTAGGCACTGCAAACCATTGAGTGTGGGATTCAGTGGTGCTACAGACT E	89559
٥y	481		480
q	89558	GAATGTAGTGCCATACCCAAAATCCATATGCTGAAACCCTAATCCCCACTGTGATGGTAT {	89499
οy	481	,	480
qa	89498	GTGGAGACGGCCCTTTGGGAGGTAACTGGGCCATGAGGGTGGAGCCCTCATGCTGGGAT E	89439
λα	481	<i>,</i>	480
qq	89438	TACTACCCTTATTAAAAAGGAACAGGAAAGAGCTGCTTCTTCCCCAACCCCACCCCGTT E	89379
λλ	481		480
e e	89378	CTCTCTGGCTCTTTATCTGTCTGTCTCTGTCTGCCACGTGAGGATACAGTGAGACAA 8	89319
ρλ	481	<i>y</i>	480
qo	89318	CAGCCATCTGCAAACCAGGAAGGGCCCTCACCAAACACCAGGTCTGCTGGCTTCTTGA E	89259
λά	481	,	480
ą	89258	TCATGGACTTATCAGTGTCCAGAACTGTGAGAAATAAATGTTTCTTGTTTAAGCCACCCA 8	89199
ζχ	481	,	480
q	89198	GTGTATGGTATTCTTAAAATAGCCTCCTGAACTAAGAGACATGAAAACTAGAATTGGTCT E	89139
λy	481	ħ	480
qo	89138	GCCTATCAGTGGGATTATAAATGTGCAGTGTATTTTAAAGAGTTGATCTCCAAAGTACAG E	89079
λλ	481	ħ	480
q	83078	TACTTAGCACGTAATATGAAGTTAATAAATGTTTGCTAGATAAAGGAACGAATGCAGGCA E	89019
ζ	481	b	480
qc	89018	GTATAGAATGAGAATGAAGTATCCAGATGAAGCCTTAAGTTTGGCTGAAAGCACTTGTCT E	88959
λλ	481	,	480
qc	88958	GAACATTTAAAGACCTTTTCATCATGAGGATTATTTTAATGCCCTTTTATAGGATT 8	88899

88898 GTGTTCAGAGTGTTCCTCCCCAAAATGTTTTTGAATACCAAATGAATG	3	0.010 0.0000000000000000000000000000000
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GCATATATTATCTCAATCCTAGAAACATGCAGAATAGGTTTTCCTGTGAAGCTGGGGGTC 88659	ò	
	: A	AGTCCACTTTTGGCTGGGGAACAACTTAGAGAATCACAAAGGTTCAAGCGGGAGTCTATC
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	q	87518 GGNAGATTGTGGGTTGAAGCCTCAGTAGAACCATTTAGTCAACAAAAAATTTTGCGCAGA 87459
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	q	87458 ITCTTGGATGAGTTTGTTGTAATTCTGAGATCCTTCCAATTCAGAGCTGCTTGTCTAGGG 87399
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	qq	87158 GCTCTACAACTAAGAGGCACACGCGGCGAGGAAATATATAACATCCACCATATTTACAAA 87099
CCICISCCICCCCASSACICIICACIIAISICAAISASAASCISTICICCAASCCCACCI 881/9	ογ	481
	qa	87098 GCGACACACAGGCACAAAAATTGCCTGAGAACAGAGAATTTGTGAGGTAAACACAAACAC 87039
AIGCAGCCTTCATCAACCTCCTCAACAACTACCAGGGCAACAGGCCATGGGGGAGCACT 88119	οy	481 480
	qq	87038 ACGGGAATATTGCCCATATACACCAAGGAGCCTTTCTTAGAACATGGAAACGCCACCTTA 86979
TCAUTGCCCAGGAGCTGGCCGAGCAGGACGCCTTCCTCAGAGATCATGAAGACAGCAG 88059	Oy	481 480
	q	86978 AACACACTGGTGAACAGGAACACCCAGGTTACCAGGCCCAACTGCAAAAAAGACAAG 86919
TCATGAAGGAGCTCTACAGCTTCCTCCATCACCAGAGTGAGT	ò	087
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GAGCCCATGAGTCTGTCTGAGCGAAGCCAGGTGGGCGGGGGGGG	qa	GCCAAAAATTGGTAAAAGGCCCATTGGATGCTTAGGAAAGAAA
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AGGTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAAGAAGGAGGAAGAAAA	qa	86858 AGTCAAAAATTAACCAGGCGAACATCCATAATGCCAGGGATCAAATTCAACACCATAACA 86799
	οy	481 480
	qa	86798 ATATTACCCTTAAATGTAAATGGGCTAAATGCCCCCAATTAAAACACAAAGACTGCAAATT 86739
6/6/0 GAGGCACATCCTCTG 8/819	ò	481 480

i		ΟD	85658 GAGCCCTCAATCGATATGTTATACTGTCTCTCGGTGTATTCCAACATATAGCTGCCTCTA 85599
<u>a</u>	86/38 GGATAGAGTAAAGACCCATCAGTGTGCTGCATTCAGGAGACCCATCTCACGTGCAAAGAC 86679	٥	525
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qa	86678 GCACATAGGCTCAAAATAAAGGCATGGAGGAAGATCTAACAAGCAAATGGAAAGGAAAAA 86619	2	CTAAAGGAAAATAAAAAATGTGCTAGTCCCACGATTCTCAATCTCTTTTGACTCACAT
Qy	481 480	δλ	
QΩ	86618 AAAGCAGGGGTTGCAATCCCAGTCTCTGATAAAACAGATGTTAAACCAAAAAGATCAAA 86559	qq	ACTITCATGGTAATAAATATTCATAGACCTCCACCAGAATTTTCCTCTTATTTTTAT
οy	481	δλ	526 525
අ	86558 AGAGACAAAGAAAGCCACTACCTAATGGTAAAGGGATCAATTCAACAAGAAGATCTAACT 86499	ΩÞ	85478 ATGATAAAACAATGATTTTTAGTAAGATTTTATTTTTTTT
δò	481	QY	526 525
qo	ATCCTAAATATATGCACCCAATACAGGAGCACTCAGATTCATAAAGGAAGTCCTTAGA	qq	85418 GGCTCTGTTGCCTAGGCTGGAGTGCAGTAGTGTGATGTCAGCTTACTGCAACCTCCATCT 85359
δλ		Οý	526 525
qa	86438 GACCTACAAAGAGACTTAGACTCCCAAACAATAATAATGGGAGGCTTTAACACCCCCACTG 86379	QQ	85358 CCCGGGCTCCAGCCATCTTCCCACCTCGCTCTCCCAAGTAACTGGGACTATAGGCATGCA 85299
Qy	!	Qy	526 525
qa	86378 TCAATATTGGACAGATCAACGAGACAGAAGGTTAACAAGGATATCCAGGACCTGAACTCA 86319	Op	85298 CCACCATGCGCAGCTAATTTTTTTTTTTTTTTTGTAGACGGCTTTTTGCCATGTTGCCCA 85239
Qy	481 480 .	δλ	526 525
qq	86318 GCTCTGCAACAAGCAGACCTAATAGACATCTACAGAACTCTCCACCCTAAATCAACAGAA 86259	qq	GGCTGGTCTGGATCCTAAGCCCAAGCAATCTGCCCGCCTCAGCCTCCCAAAGTGTTGGGA
Qy	481 480	ΟŊ	526 525
qa	86258 TATACATTCTTCTCAGCACCACATCACACTTATTCCAAAATTGACCACACAATTGGAAGT 86199	qq	85178 TTACAGGCGTAAGCCACCGTGACGACCATTAGAGTTCATTAAAGCACATTTAAATACAAA 85119
Qy	481 480	δλ	
qq	86198 AAAGCACTCCTCAGCAAATGTGAAAGAACAGAAATCACAACAAACTGTCTCTCAGACCAC 86139	QQ	CTTTAATTATTATGTAAACAAAATTCTTTTTGCATTCAAACACTAAAGTTATTACGTAG
Qy	481 480	δλ	575 TCAGAATAATGCCT
đ	86138 AGTGCAATCAAATTAGAACTCAGGTTAGGAACTCACTCAAACTGCCAACTGCTNNNNNN 86079	gg (gaaaaaattgcttataaaaataaaaattatgcatagtttcattaaatgaacattgaa
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ογ	481 480	ΟŽ	288
qq	86018 ATCTACTTTGACCCATAAGCAAGCCACAGAGTGTCCAATCACCCTTAATCACGACTATCA 85959	qa	84938 ACCAACATTGCTGCCAGGATTATCCAACCCTGCTATGCTGACATGTATAGAAAACTAACA 84879
δλ		ΟŊ	589 588
g	85958 GCAGTAAGGCTTAAAGGAAGTTTCAAATACCGTAAACTAATAATAATGCACCC 85899	qa	GCAGCAGAACNNNNNNNNNNNNNNNNNNNNGCTGATGCCCGAGTTGCTGAGGCCAAACAT
Qy	481GTTACTTAACCTCTCTGAGCCTCATTATTTCATCCATAAAATGG 525	οy	885 685
qq		qq	84818 GACGCCAAAGAAGGAATTCAGATTCTTCTTCTTGAGGCTGTGAGCAGAAGACCCAGA 84759
ò	526 525	Οy	288
ද අධ	ATTTTAAAAACTGCTATTTTAAACGAACAAAAAAAGAGGACACATTAACTCCTAATCTTCAC	qa	84758 GACCCTCAGGGTAAGGGAAGCAGCCACCCTACAGTGCCCCCAGACAACAGCCAGGCCAG 84699
ò		QY	289
; A	AATAACCTATGAGGAAGGTATAATTAACCATGTTTTTTCACTTGAAGGAACTGAAAACCTAAAAAAAA	qa	84698 CCTCTGCAGAGATCCAAGCTGGATGGGGTGGGAAGGCAGAGGCTCCAGGGGACCCAGGGA 84639
à	0430144017344000011740111111111111111111	ΟŊ	589 588
7 dd	AAGTTAGTTAACTTAATCATTCAAGGTCACTTAAGTTTAAGTTTAAG	qa	84638 ACAAATTAGGCAGATTTGGCAACATACTAAGCAAAGAGGGGGGGCTTAGGAAAAGGTA 84579
}		Οy	289 288
7		qa	84578 GCCGGGGGGACTCTGGCCACGCCCTACCCACTGGACAGGACTCACTGGGCCGCCAGCTT 84519

ė		889 288 vo
ò	886	Db 83438 ACATACTCTTGGGAGTTCTAGGGCCCCGCCCACTGCTGGTTCCTCCATACTACCACAG 83379
Q O	84518 AATGAACTTCCTGAGCAGCTGGGCGCGGGGGCCGGGCACGGGCAGAGACACAGCTCGGT 84459	289
οy	886 588	
q	84458 GGCCACCCAGTACTGCAGCTCATTGAAGCGGCGCATGAAGCGCTCCAGGTTGGCGGTGGT 84399	83378 CTGATGCTCTCTGGAAAGCGCCACCTACTGGCAGGAAGCGAACCAGGACAAAAATAGAAC
δ	589	Qy 589 588 588
. අ	GACATCCCGCAGATGCTGGGGGCCCCAGCACATAGTGGATCAGCTCCACCTGGGTGGG	Db 83318 ATTAAACCACCAAAGCTAAAGAACCCTCACAGAGTCCATTTCAACCCCTGCCGCCTCCC 83259
ò		Фу
; A	AGCAGGAGATCAGCGAGTGGTGAGCCGAGCCGGGCGCCCCGCCGCTGTCTCCTCC	Db 83258 ACAGCTGAGAGGCCCATAGATGGTTCACATCACAGGACTCTGTGCAGACAACCCCCAGTA 83199
ò		Оу 589 588
; 윰	CCAGCTCTCCCATACCTGGTGGATACTGTTGAAGAGGCTCCAGTCGTGGTCA	Db 83198 CCAACCCAGAGCCAGGTAGGCTTGCTGTGTGGCTAGACCCAGAGAGAG
ò		Qy 5896GCTTGTAGCAAATGGTAGCTGGAGAAAAGGAAAAGGAAAAGGAAAAGGAAAAAGGAAAAGGTAGCTAGTAGTAGCTAGAAAAGGAAAAGGAAAAGGAAAAGGAAAAGGTAGCTAGAAAAGGAAAAAGGAAAAAGGAAAAAGGAAAAAGGAAAA
q	84218 GCTGGCCTGCCAGGTCCTTGGCACTCACCAGGTCCAGCAGCCCACAGAGCCCACAGAGG 84159	83138 GCAGCTCAGCTTACAGGAAGCCGTATCTATAGGAAAAGAAGAAGAGTACTACATCAAAGG
ò	885 685	Qy 627 626
ą	84158 GCCCCAGCTGGGTGTGGGGATCTGCGGGAGAGTGCTCAGGGGGCTGCCTGAG 84099	Db 83078 AACACCCCATGGGACAAAGAATCTGAACAACAGCCTTCATCCCTAGATTGTCCCTCTGA 83019
ò		Qy 627 626
7	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Db 83018 CAGCCTACCCGAATGAGAAGGAAAGAAAACCAACTCTGGTAATATGAAAAAAAA
3 6	oral Ccassocratas ocacas i Assocratas oca i i Geografica (AlgCiCoid)	Ογ 627 626
3 6		Db 82958 TTTAACACAGCAAGAAGAAATCCCTGATTTACCTGAAAAGAATTCAGCAGGTTAGTTA
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ò	889 288	Qy 627 626
q	ACCCCTAACTAGGGCAGGTCCTCCTTTCTCCTTGGGAGCTCCCAACCAGTGCTACCAG	82838 CAAGAAGTGAAGGGAGAATATTCAAGGAAATAGATTAATGAAAAAAAA
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ස	CCCCTGCCCTGCACTATCTTGGGAATTCCCCCATCAGCTGAGGCCCACTCCTTTGTGTGC	Db 82778 TCAGGAAACATTGGACACACTTACAGAAATGCAAAATGCTCTGGAAAGTCTCAGCAATAA 82719
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7	シングログシストラング 自己 からいかい かんかい かんかい かんかん かんかん かんかん かんかん かんか	Db 82718 AATTGAACAAGTAGAAGAAAATTCAGAGCTCAAAGACAAGGTCTTCGAATTAACCCA 82659
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5 5	ひと出いてんべいかい かんかい かんかん かんかん ないません なる ひまし なしない かんせい ないない かんせい ないかん ないかん ないかん ないかん ないかん ないかん ないかん ないか	Db 82658 ATCCAATAAATACACACACACACACACACACACACACAC
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;	CCTCCTACCACCACCA CTTCACCACTCTC NINNINININININININININININININININININ	Db 82598 ATATGAACAAAGCCTCCAAGAAGTCTGGGATTATGTTAAATGACCACATCTAAGAATAAT 82539
3 8	GG1.CCC.T.CCC.T.CCC.T.CC.T.G.T.GCC.T.C.C.T.G.T.G	Ογ 627 626
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3 8	ילתפלימות מתנימות מתניל מ	Ογ 627 626
S 8		Db 82478 CAAGGAAAATTTTTCCAGCCTTGCTAGAGCCTAGACATCCGAAATACATAGATTTCTAG 82419
g .	LCASCLCCCACAGCAGCAGGAGACTCCCCTAAGGAGAGTCTGAGCTCAGACACTCC	Qy 627 626
λo		Db 82418 ACAGATAATCACTCGGNNNNNNNNNNNNNNNNNCAAAAAACCATGGAACATAGACA 82359
g G	83498 TAGCTCCACCCCACCTGATGGTCCTTCCCTATCCACCCAGGTAGCTGAAGAAAAGGAC 83439	ογ 627 626

ź		qq	81278 CTCCCTCAGGCAAGAGCTTATGCCCCGGTGTTGTCCG
3 .	ancadadada u tacadan u tacadan u tanan dan da	QY	627
Š i		qq	81218 GCGGATGCTGCACCACTGCCGAAGCCACAACCCTGGT
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S 1		qq	81158 GGAGGTCCCCCACCTACATCCTCTGTTGAAGAACTA
a (CAAAATGAACCCACCGGGTAACCAAACTGAGCCGACACAAAGCACATCCCAAACATGTAA	QY	627
ð í		qq	81098 NAACCACCCATGTTTCCCCAACAGAAGCAATGGACAG
αn ·	CCCCACTTAAAGGCACCTAATACTACTAAAGGTAACACAGGGATACATGCAACAACA	٥y	627
ð í		QQ	81038 GTTACCTCCACTAAAGCCAAACAGCAGAAGTGCGTTA
g G	TACAAATTCACCCCAATACCAGACTTCATCCCACCATTACCACCATATCATGCATCCAA	οy	627
š t		QΩ	80978 CATCTATTATCATAGCTATATACGTAAACTTAATAGT
8 8	82038 IUUULAAIUUULAAAAUTUAGAGIGAAAUAAAUTGITGGAGAGAIUATAA 81999	Qy	627
ें दे		qq	80918 AGTCATTTGATATTAAAATGTGCAGAAATCTAATATA
2 2	81998 AGIGCIGATGCATCAGGAAGTGCAGAGATTAGGAGTTCTTAGACTGGAAGAATGAA 81939	Qy	627
3 E	81938 GACAMCCAGACAAAAAACGGGCGCCCCGAAAAAAAAAAA	qq	80858 AAATATATATGCATCTCGCATTACTCCGTTTTATTTT
1 2		Οy	627
જે દ		QQ	80798 CTTTAGCATCAAAAGAAAACTCATATCCAAAGGAAG
3 8	CTCTATGGGGTGGGCCCCAAGGGAGCCGTTA	Qy	627
÷ ÷		qq	80738 GAAGGAGAGCGAAAGCAAATTGAAGCACAACAGAATA
3 3	16CCC11CACC111TC1GGGCTACAGGGCAGAAGTTTGGGGACCTATGAAAACC	Qy	627
<u> </u>		qq	80678 GATCGGGTAATCCAAAGCTATTCCAACGTACAATGTA
a i	CAICICITIGCAGACAIGACCITCAITCAIGAGGGAAACCACACACTAGIGGAGAAICIC	Qy	627
δλ		QQ	80618 ATCTCTTGTATATCAGTTAATTTCTTTCTTCTAAT
qq	81698 ATCAACTTTGAGAAGATGGTGAGTCCAGGGAGAGCAGGCATTCACTACTAACATAGGTTG 81639	ΛO	
Οy	627 626	1 2	80558 APPRESEABUTABANGCACTABASCOTTCTCCACTABC
qa	81638 GAGGACATGACTGTGGCCTGGGAAGGGGCAGGGCTTGGAGGCAGCTTAAACTTGTTATGA 81579	3 8	
ΟŊ	627 626	डें है	
qa	81578 ATAATATGAGGATGAATACTTACTGTGAATAGCCCCTGCCTTATTCCACTGCAACTGGG 81519	<u>a</u>	80498 IGACITIAIAIAIAAATIAAAAAATAACIAIAGAAA
οy	627 626	δ	
q	81518 TCTGCCAGGGTGCCAGGCTCAGACGTCTCACCATTCAACGAGGCCCTTCCAGCCCTCTT 81459	q a	80438 TTGAATGTTTTATATATTTACATATACATAGTTATAA
QY	627 626	Ολ	627
· do	CTCTCTAAGCCTTTCTCTCTGGCCTCTGGCTTCTGTCCTTGGGTCCCGCTGGGC	qa	80378 ATCCATTCTTATAATGTACTTTTTTCATTAATTCACA
: è		Qy	627
2 4		qa	80318 CCTCTACTAATCATGAGTTGAGGTTTAGTTTATTAT
2 3	CICIGGGIGIGCIGAGGGGAAGIACACATGATGCCACATAACCAAGGATCTTACAGICCC	Qy	627
δo	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	QQ	80258 ATTCCTAATAATATTTATGAAATGATTATTGATTGT
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CGCAGAGAATGATGGCCAGAGCCGC 81219 STGAGAGGCGGGTCCCCTGGGGTG 81159 GTGTTCGGTAAGCCAGGGCCCCAT 81039 FAAACAATTTTAATGAAAGGGAGCA 80979 TAGAAGATTTGAATTAGACAGAAA 80919 PATITGAGGATINATGITITAACTC 80859 FTAGCTGACTGCTATGTCTCCTAGG 80799 AGCTGACATAGTGATTAAGTCAACA 80739 PAGCAGCAGTTTCAGAGAA 80679 PATATGTTTTGCTGAGTGTTGATTT 80619 ATATTAAAGTTTTGCTTGAGTAGGA 80559 CTAATTCAAAATTTGGGTAATTGA 80499 ACACTTAAGTTTAGGAAACTACTT 80439 AATTTAACATAGAAGTTAATTACA 80379 CACTGGACTGTTTCTGATTGAAATT 80319 TTGCCTTTCCTGGACCCACAGAGG 80259 TGATATTTGACTGATTATAAGTAA 80199 ACAGCTGAATTTATCTTATATTTGGG 80139 ----- 626 ----- 626 929 ---- 939 ----- 626 626

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δò	627 626	7905B	araascrosaacaccammamcacmmmamcercsmagamagacaccmgaccacc 78999
qq	80138 CATATTAAAGTTATTGAAGAGTGGGCTTTATAATTCTGGTACTGTATTCTTTCACAAAAT 80079		
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QQ	80078 TTATTITGIGGIAATGGAGGGTCCTTIGIGACCAGCTIGCATATIGTIGACTIAAGGA 80019	8/	TCCTGAAAAATGCTTTGGCCTCGGCCAATATACTGTTTACACTCTGCCGCCAGCAACTG
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QQ	80018 CAGGTATTGATTAGTTGGGGACCTTTTGGTTAACAGTTAGGGTGTCTGTAAAGATTATAA 79959	Db 78938	TCGATTTCCACTCATCGCTTAAATACGTTGCCCGCCTTCCTGAGTTGGTGAAACTCATTT 78879
ò	:	0у 668	
. q	GCGCTTTTGCGTGTATATAGGTGTGATATTAAGATGGAATGATATGAGTGTGGGATATACT	Db 78878	CGGATGAAGGCTGCGAGTGCCAGCTTGCGACTAACATTGGTTTTATGTCCAAGTTGAGTA 78819
δ			
q	79898 AGTCGAGAGTGATAGTGTAGGTTAACACTGGTGTTCTCGGCTTTGTAAGGATCTTGTA 79839	Db 78818	ACAAGGCAGACCATAAGTATTGCCATAGCCTGGCTAAAGAAGTGTTCGGTGGGGATATGC 78759
õ	627 626	0у 668	
g	79838 ATATAGGTTTATATGATGCCCATTTTGATGTGGGTGAGTATACTCCCAATTACTGAGGAG 79779	Db 78758	TTGATGTCTTCTCCCTCGCCTTGACGGTTTTGAACGCTGCGGGANGTCTTTTGACACTGT 78699
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. අ <u>ප</u>	TTGTNNNNNNNNNNNNNNNNGCGTAGTTCATCGACAAATGAGCAAACAGAATGCTC	Db 78698	TATITCAGCTAACCCGGCACGTATGTTGGTAGTGCTGATGCATTGAAGAACGCGCGAATT 78639
ò		Оу 668	299
. 5	りません サンド・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・	Db 78638	TGGGGGAAGATTTTGCTAAAGCAGTTTTTGACCGTATTGAATTTATCAGATCTAACTGA 78579
3 8	711 011 01 01 01 01 01 01 01 01 01 01 01	Оу 668	499
5 5	## ***********************************	Db 78578	AGAGTAAGAATCCCCATGTCAAGAAATCAGACCCACATTGGGCGACCTNNTATCNTCAAT 78519
3 8	chool ciniocommessentissentissericiaeles de l'ancica d	0у 668	199
5		Db 78518	ANTAAGCGGATTTTAAAGTTCCTCCAGCTTCTTGGGATCCGAGTCCGGCCAGGTATTCAC 78459
g O	ATGCCGTAAGTGAAATGGAAGAAAAAGGGTTATGTTTTCGATAAACGCCCTGCTGGTTCTT	0y 668	
ð :		Db 78458	. AGTITTAAACTGGGCGCCAAGCCACATTTTTGAAAGGGGAACCCCCGTTNNNNNN 78399
g	79538 CAATGAAATATGCGATGTCAATTCAGAACATCATTGACATATATGAACATCGCGGAGTGC 79479	00	
ολ	627	7.8	NNNNNNNNN B B B D B G G G G C B TT T B G B G TT B B G B G G G G G TT B B T T T T
qq	79478 CAAAATACCGGGATCGCTACAGCGAACGGAGTGTGATTTTCATCTCCAATCTTAAAGGCG 79419		
ò	627 626		
qq	79418 GTGTCTCAAAAACTGTATCGACGGTTTCTCTGGCGCATGCAATGCGTGCTCACCCTCATC 79359	8/	ATATGTTAGCACACTGGATATTGAAAAGCATCCTGTACCACAGAGTACAACTAGATGTAC
ογ	627 626		
Op Op	79358 TTCTTATGGAGGATTTAAGGATTCTGGTTATTGACCTTGATCCGCAATCTTCAGCAACGA 79299	78	CTAATAAGGTCAACACAGACCCTGAATTATGATGAGAAGTAGCACACTAGCAATGGCAAAAG
ò	627 626		4 0 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
q	79298 TGTTTTTAAGCCATAAACACTCTATTGGTATCGTAAACGCAACATCTGCACAGGCTATGT 79239	Db 78218	CCAAGGTGACACCAAGAAGTGTCATAGTATTGTGTACATTGATGTGATTCCCCAAAGATT
ò	:	0у 668	
අධ		Db 78158	ATGCCATGTTCAGTTATGTCTTTTCTACACTTTGTACCAAGCCTTATGTGAGTGCTAAAC 78099
ò		Оу 668	199
· 8	GGGTTGACGTTATGCCTTGCGTCGATTGACGTTTATATTGCATTCGATTGGACGA	Db 78098	ATCTTTGAATTATCTGTGATGAGGTATTGCTCACTGGGCAGGTATTAGTTTATGAGGATG 78039
6		Оу 668	499
5		Db 78038	GTGAAAAGACCAAAGGAAAGGACTCACTCACAATTCTGTCCAACAATAAATA
3	/siib Tefecaangadearcraccegercagaacarccargcrercragaaaaaaarargrafig 79059	Qy 668	199

75818 AAGGTCAGAGGTTTAGCAAGGGTAAATTTTTTAG	q _Q		
694	QY		ò
75878 GTTAACTTTCTCACATGGGTTATTATTACTCACA	qa	76958 TTTCCCACTTTGGCTCCTARATTCCCTAAGCTACCTTCTGATTATTGGATGGCTTGAGA	a da
694	Qy	694	ΟΣ
75938 AAATCCCCTAAAATTACCAGGATTACCGGTTGAC	qa	77018 CTACTGNNNNNNNNNNNNNNNNAGGGTGGTGGCCCATCAAACCCATTAGGATAACT	qa S
694	Qy		G O
75998 AAAGATGCGAGGAGTTAGACGGAAGGACTAGTTT	qq	**************************************	7 2
694	Qy	769	^O
76058 CIGGCACATGTCAAAGAAGACICAGAGATAGAT	qa	77138 TAACATATGAGCTAATTTGTCCATTAACAAAGACGATTTTATTTTATCAGTCCCATGCTT	G G
	Oy	769	
76118 TTAAAAGTTTCGTTCTTTTTTCTCTGTAAGCCAG	qa	77198 ACTTCTTAGAGACACATTTTAAACTTTAGCCCAGGTATTACTATAATTTGAAAGTAG	qa
694	δλ	694	δλ
76178 CGTTTAAGAGTTGTCATTGCAACGAAGACTCCCT	q ₀	77258 GGTTCCTGCCAAATACGTTTCCCTGGCTTGTCAGAATGCCTGAAAATCCTGTCCTAG 77199	qu
	οy	694 693	QY
76238 AAAGTTTCATTTGTTTGTGTTTGCTTCTGTGGAC	QG .	77318 CTTTATCATAATGTCCTCACCTCTGGCCCTGAACTAGCCAGCAACCTCAAAGTGCCAGAG 77259	qa
	δλ	694 693	Oy
76298 ACTGAGAACCACCGATCTGGATTTTGAGGATATT	qq	77378 GACCTGGGGCAGTATTATCCATAGAGTCTGGCAGTAGTGGAAGCTCTGCATGGTTACAGA 77319	qq
	Qy	694	δO
76358 ACACACACACACACGGGGTATATGTATATACTC	ପ୍	77438 TAAAATAATAAAATAAAGTTGCTATCAACCTTATTTAACCCTAACATCCAA	qa
694	δλ	769	ò
76418 ATCAGTATACACACACACACACACACACACACACAC	qa		7 6
	Qy	769	۸O
76478 AATTCTGATTGGCTTCACTCAAGACTAGTTACAT	QQ	7.7	a a
	δλ	TOTO THOST TICHOCTRATICAGE AND	
76538 ATCAGCGCCTGGGTTAGTGCTTCCAGCTTCAAAI	qa		3 6
694	Qy		2 6
76598 GGGAAGGATGTGCTAATGATATGACCTTGTAAGA	qa	700	S 6
694	Qy	199	ò
76658 TACACTTAATGATNTGACTACTATGATTTTAAAA	qa	00/00 77738 GAACCTGGGAGGTAGAGGTTTGAGTTGAGTTGAGTTGAG	r d
694	٥y	***************************************	į
76718 GTCAGINCTCTATCTCCCTAATACAACCAAAGAA	qa	77798 GFGTGACACGCACCTGTAGTTTCATCTACTCGGGAGGAGGAAGAAGGAATTCTTT	Z Q
694	QY	899	۸٥
76778 GATAAAACNACCAGTAATCAAATATTGCTGTNTA	qa —	77858 AGACCAGGCTGGCCAACATAGTGAAACCCCATCTCAACTAAATATACAAAAATTAAGCTGG	qa
694	Oy.	899	δō
76838 TAGCCCCTTATCTCTCTCTCATCAACTCTGTCP	q ₀	77918 TCTGTAAGCCTAGCACTTTGGGAGGCTGAGGTGGATCACTTGAGGTCAGAAGTTCG	qα
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76898 GGGANAAAGAGGGAGAAAAGCAAGGCACCTTAGG	qq ——	77978 TGAGATGGCAGTGTTTTTTCCAGCTGAAGTTGCTACCTGGCTGG	qa

CAGANTTATAANACAATGTGGTTGCTNT 76779 TAAATACTTAATAAAAAATTATTAAAA 76719 AATCATTTCATTAGTAAATATTTTGACG 76659 GGGTCTATGAGTTTACTAGAGCAGCAGN 76839 AATATAAAGATACCAATAATTAAGCAAT 76599 SACAGCACTCCAGCCTAGTTCTTCATTG 76539 ATCAGAATCTCTGGGATAGGACACAGAA 76419 ACACACACACACACACAGACACAAAC 76359 ATGCACAGCCGTATCCTATGCTTTAAAA 76479 TCCCTAAGTGATTCCAAAGCCAGTCAAG 76299 FITGAGGITACAGICCIGITITAAAIGG 76239 ACTTCTGCAATTATTTTTTTTTGCTTT 76179 AGAGCATATCTAAAGACAGATTGTAACA 76059 ATTCACTTAGAAAAGGGGTTTACTTGCA 75999 FTGCCAACCAGTACTTAAAGGGAAAAA 75939 ACAGTAGTCTGTTCATGGTTGAAAAACA 75879 CAAAGGTCAGGCCAATTTAATGTTCACA 75819 CTCACACGGGAAGCAGAAAAAGTG 76119 75818 AAGGICAGAGGITTAGCAAGGGIAAATTITTAGGGGGATTTAAAACAIGTTTAAGGGG 75759 693 693 693 g

à		694	693
3 1		74678 GCTCAGAGGAAGGCGAGGCCCTCCCTGGAAAGTCAGAGGGGGCCCCAGGCCATTCTCAG	GGGCCCCAGGCCATTCTCAG 74619
Ω ,	AATTCCAGGGGAATATATTTCAAAGGGGTTTAATTGGGTTTTTGGGAGGTTTCGGAAAAT	694	69
ò	694 693	74618 CTGGGGGTTBAAGGGGAAGCAGGAGGAGAAGAAGAAGTGAGACTGCAGGATTTGGT	rgachgcagccaggattrggt 74559
g	75698 CCAGGGGGGAACCTGGCAAGTTTTTTGGGGGGTAACCTTCCCTTTTATAAGGCTTTG 75639		
δ	694 693		
qq	75638 GCCCATATTTGGAGAACCAGGCCAAAAAGGCCTCAAGATAATTGGCTTTTTAAAAATACC 75579	74558 TGAGGAATGGTGGGAGAAAGAACTGGAAAGGTAGATTAGGTTGGTGGTGGGGGGGCTGC	STTGGTGGGGGGGGCTGC 74499
ò	- }	694	663
සි	CCTTTAAGCCCACCAAAAGCCTGGGTTCCAATCCTTGAAGAGGAAGTCTCCGGAATTNNN	74498 ACTGGGAATAAAATCCAGGGGCTTCACCATCCAGCAGCTCCCCATGGTCCACCCTACT	SCCCCATGGTCCACCCTACT 74439
ò		\$69	693
· 6	NNNNNNNNNNNNNNTTTATATTTTACTAAAACACCCCTCAAATGTCCCAAGCTTT	74438 GIGIGICCCAGCCCTGCCTGCTGAACTCTTACTGGCTTCTTCTCCTCCGCAGGCGAA	rrcrrcrcccccccccan 74379
2		694	693
5 7		74378 GCCCGTTCTCCCCTCAGGGCCTTTGCACTTATCCCTTAGCCTGGAAGGGTCTTTCTCTGG	CTGGAAGGGTCTTTCTCTGG 74319
a	TCTGCCCAATCTCCCCGGCCGGTACAATTTTTCCTAAGAATTTTTAANCTTCAACCTCT		669
टें है		74318 CTCTGCCTGGCAGGATCCTTCTCGTTCTCATCTCAGCCAAATGCTGGGTTCCCAGACAGG	AATGCTGGGTTCCCAGACAGG 74259
9	73398 GCCATATAAATTICCCACCGGGAAGCAGCCTGAGATTCCAAAGGGGGGTTTGGGAGCTTC 75339	694	693
δ	694 693	のですじていかい かいかいしょう まっこう まっこう しょうしゅう じゅうじ しょうしょうしょう しょうしょうしょう きょくそく	99147 2011200121300423023
අු	75338 ATTTGAAACAAGTATTTACTTGAAAACCCTGGGTCTGCATCTGCCTCTAAGTTTTTCT 75279		
δ	694 693		
a	75278 TICCCCICCTGGCCTTGGAAAATGACAAAGICTGGGGGCCTGGTTTCAAGACCGTGTTCT 75219	74198 TGTCCTCTGTGATTTTCTTCAAAGCACTCTCGCCATGTGGAGTTGTTTTCTTTGCCTACT	
ó	694 693	694	693
අ	75218 CCCTTCTTTATGTGATACTTACCTGGTCGTGTGAACCACTGGTGAGGGCCGG 75159	74138 IGCITICIGICCITIGGIAICICICCCAICCCACIGGAGAGIIGACTICCCICCIGGGG	AGTIGACTICCCICCIGGGG 74079
à		694	669
5 5	います。	74078 CCCCCACCTCCGCTTCTCCTTGCTCACATGCTGCCTGGCTCTTGGTACNNNNNNNNNN	CCTTGGTACNNNNNNNNNN 74019
l ä	010011000110001100000000000000000000000	694	693
3 1		74018 NNNNNNCAACTTTACAAGTTAGGAAGCCTTCACATTATGGTCCAGGGATGCCATTCAA	regrecagegarecearreaa 73959
Q	75098 ACCTCCCTTCTCTCTGTGGCAGGTTGGAGAATGGCTGTGGGAATGCATCTCCTCAGAT 75039		693
δ	694 693	73958 GCACACACATGGTAAAGGGGTGCTTCTTTGAAGTAAAGGGGAAAGGGGGGGG	
đ	75038 GAAGGIGTCIGCCIGGCCCCCAGITICITICCICCIGCTCCTCCTGGACTGCAGGCCCCTCC 74979		
δ	694 693	はいまく はいい かんかい かんかん かんかん はん カー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	
qq	74978 TICGCCCCCTGACCCTGAGGGCTCTGTGGGCGTGGGAAGCTCTCCTCCCACAGACACAC 74919		
õ	694 693		
q	74918 CCTTGGGTCTCTGATAGGTGTTCACGGGGCCCTTGCTGCATGTGGTGCTTGGACCAGGC 74859	73838 CCATCTCAACGGCTAGTACTCTTGTTCAGGATACCATAATCTCTTGCCTTAGGTACCCCA	rcrctrgcctraggracccca 73779
ò		694	693
5 E		73778 AGTCCTCTGACAAGTTCCCCTGTCTCTAATGTCCCCAGGCAACTGTTCTTCCCATAGTAG	SAACTGTTCTTCCCATAGTAG 73719
3 8	ינין מיניאנימימימימימימימימינין זאממין פפינין נינין ניפיניניאנין נינין ניפיניניאנין נימין ניקין ניארן ניקאן ני	694	693
ें दे		73718 CCAAAGTAAATTTTATAAAATACAAATTTCAGAATCACCCTCCTATATAAACTATCACTA	CTCCTATATAAACTATCACTA 73659
g ,	GGGCCTTTTTATTCCTTTTGGGAGGTAATTCATGCCCACAGGTAGAGCCTGGGAGATGAGG	694	693
ò i		73658 GTTCCACAGTACCCTCAGGATGAAGTTCAAATGTCCTAGAATCTCAACCCTTCTGTCT	GAATCTCAACCCTTCTGTCT 73599
a	74738 ANTGGTGGCTGGAGTTGGCCCCTGAGGCCCACGGGGCTCCTGGTGGCCAGTGCTGGGGA 74679	769	669
		•	1 1 1

71505 CTGCCTCCTACCTGCCTCTTTTTGCT	qq		
	Qy	Х 694 693	Oy
71565 CCTGGGCCAAGGTGGCACGCTGTACTC	Dp	b 72578 AGGCTGTCCTTATTCAATCACTTTATTGAATGTTGGTATAATATAGTACCGGAGC 72519	QΩ
	δλ	694	٥y
71625 TCTGCACCCTGCTGTCTGCCTCTCT	qq	b 72638 CCAATATGACTTTATTATCACCATGCTAATTTGCGATAAGGAACCATATGTCAGCCCCTA 72579	qq
	δŏ	у 694 693	Οy
	ପ୍ରପ	b 72698 AGTATGTCCAAATTCACAAGCTAGTTGAGTGCAATAGGGTGTATACGCAGGTTAATTGAC 72639	q
TGCAGCTGCCTGTGACAGCCTCCG	δŏ	у 694 693	٥y
	<u> </u>	b 72758 TAGGCATTTACTAATATTCTATTTTATGGGCGGAGACGGAAGCTTAGAGGTGCTAAGC 72699	qΩ
999 TCCAAGTTGGGGATAAAGTCCCCTATG	δo t	у 694 693	οy
	g 2	b 72818 TGTGACAGGCATTAATGTGCTAATACTTATAAGTATTAGCCTTTCTAAAAATCTTTGAGG 72759	qa
939 GGAACTTGCCTGTTTGGCTCCCCAACC	oy O	ү бай такан така така	δδ
	3 3	b 72878 CIGCITITAIACCITIAAGGCAATAATAITACTAITAATAAAAATGACTGAGCACTA 72819	qa
	5 6	у 694 693	ò
CACCOMODIACHIGINAL CALCINITION OF O	3 8	b 72938 CAAAAGATACAATTAACAGTAAATAACTACATTTCCAGAAAGAA	qa
819 GIGIGAATGCTGTGGCGCCCGTGCT	7 2	ү бөрү терептектирук байын картын кар	οy
	a d	b 72998 GGGCATGGTGCTTCTGCCAACAATTCAAGAATAATTATGATGTAAAATGTTGCTATCAAGT 72939	QQ
/39 CCTTGGTCCCAGGTGCCTTACCTGAGC	δ'n ï	y 694 693	Qy
	Q (Db 73058 CCCATCAATTTATTAAATTGAGTGTACTAAAACCAGAGTCGGAGGCAGCCAATAAATGAC 72999	Q
699 ACACACAGAGGGGCATGGATTTGCC	oy .	Ογ 694 693	ď
	gg 	Db 73118 AAGTAAAATTTTTTCAAATGCGTTAACAAATTGTTAAAATGGTGAGGACTTGGATATGC 73059	Δ
	Š i	Ογ 694 693	a
/2098 GACAAATGGTAACGTTGGAGGAAAAGA	g (Db 73178 GCCTTGGTACTGTGTTCAGAAATGCCTCTGTTAACAGAGATAATGGATTTAGAGGTTGG 73119	Ω
	δ.	Ογ 694 693	a
/ZISB GAAAAGGCGCCATTTGGAGATAATTTA	ag .	Db 73238 TITAAACATAAACTCTGATAAAGGTCAAACAITAAGAAAGCATTGTAAAAAGGTAAAATGA 73179	Ω
	oy .	Qy 694 693	a
72218 TCTGAGCGCCCAATTTTTCCATACCT	qq	Db 73298 TTAAATTAAATGAATGAATGAAACAAGTTTCATTAACATTAAATTTTAATGTTTC 73239	Q
	δλ	ζγ 694 694 694	a
72278 TTTCCAAAATTTGCCAAGTATTACAAC	q a	Db 73358 TTTTGTATTTTCAGTGCCTAGCAGTGCCTGGCATTATATGTAGATTCAACAAATATTG 73299	Q
	δλ	Qy 694 693	a
72338 AGACAAGAGCCCTTGGCACAAGTTTCG	gg G	Db 73418 ATTCCACCTCCCCTTCGTTGTAGTTTTGTGAGAAAGAATCCATGTTACTTTGTTCA 73359	Д
	Š	Qy 694 693	a
/2398 TTCCAAGAAGAGCGCCTGAAAGTGGTT	g (Db 73478 TAGTATTACCTGTTTAGCATTTATTACGCTGTACCTCTTTATTTGTATCCCCACCATCCC 73419	
	δλ	Ογ 694 693	o
72458 TTTCAAACTAGAATGTTTTNNNNNNNN	qa —	Db 73538 GITITCTCAAACTTGTCTTGTCTTTTGCATCTGCTATTCCTGGTATTTCCCATGATCCCT 73479	Ω
	oy.	Ογ 694 693	ð
72518 TTCCTATCTTCCGCCTGTTCAGGCA	QC .	Db 73598 TCACCAGCTCATTTCTTACCACAATCCAGTTCCCACTCTGTGCTAAAAATTAAACTTAA 73539	iii
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AAATGGGTGTTCATTAACCCACTTTCCCATCTACG 72459 NNNNNNNNNNNNNCCATCCCTGGAAGGGTGCCCC 72399 TITCCAATAAAAIGGATCTCCTCTCTTGGGCTGG 72339 CGGGGACACAGAGGGGGAGAAAGGGCACGGTGGGG 72279 ACTCAGTCGGCTTTGGGCAAAGTGTACTTAACCCT 72219 CCCCGCCCTTAGACATGTTGTCTTCTCCTGGAT 758 71799 AGCCTATTTTCTCGTCCTCTTCCTCCCAGGCC 938 CCAGGACGACCCTTCCTGGCAGCAGCTGTGCCA 998 71505 CTGCCTCCTACCTGCCTCTTTTTTGCTCAGGGGCCTCCCACCTGCAGCTTCAGCTCTTTG 71446 CTAAAAATGCGAAAGTTACAAATAAATCTCTTTGT 72159 TAGAACCTCAGAGAATAATGCGCTGTGCCTAGTAG 72099 SAGGAAGGTGCAAACCCAAAAGTCAGGCAGCTTGA 72039 PTTGGGCCTAATTTGGCAGAATGCAGAAAGCCCAC 71979 PITGICCIGCIGICGICACICITGACCICGGIGIG 71566 CCTCAGGGTCTGTGTTCCAGGCTGCTGGCTAGAT 71506 71661 1138 -- 1138 GACATCTGCCGGCCAGACCACTCAGTGTTGACCC 1058 693 693 698 818 STCCTGGTGACACAGGGACCTCACAATCCCTCCCT 878 SCTCAGGTGAATGTGGCAAGCAGAGCCCTCTGGTG

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q	69285 AGAATTAAATCCACAAATCAGAAAGCCCTTGGTCAAACAAGTTGTCCAACAATTAAATCAACAAATCAAAAAAAA	Db 68205	35 GTGGATGGTGTCTCAATGAGAATAGCGACAGAGATGGTGCAGTTGTGTCCTCTGTGG 68146
į		Qy 1447	17 1446
<u> </u>		Db 68145	15 AGGTCTGGAGAGTTGGGAATATGGTGAGGCTGCTTGGGCAAGGATTTGGGAGGCACTCAG 68086
a (AGARGATGGCCATCACAAGAATCTTGATGACTACTNNNNNNNNNN	Oy 1447	77 1446
ζò	7 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Db 68085	35 CTGTGAGAGACATAGAGGTGGGAATTCCATCAGCCAAATATTTATCGAGTGCTCACTACA 68026
QD (ACACAGAGACCAGGGTTAAACGGACCCTCAAGAATACACCCTAAGACCCCAGCACATT	Oy 1447	
Š 2		Db 68025	25 CATCAGGGGCTATGCTGTTATTGGACTGGCAGGCTTCAGGCTAGGCTGGAAACTCTTCC 67966
3 (GAIGGCAATICCACGIGIGIAACAAAAGGGIACCCAIAGAITCCACIAAACCTTAATAGG	Oy 1447	77 1446
ò E		Db 67965	TGGAACTGATTGGTTTCTGGTGGGACAGAAGCCAGATAAGCCTCAGCATTAGGGCATTGT
}	ACTAIN TO COCCUPANT TO THE REPORT TO THE REPORT OF THE THE REPORT OF THE	Qy 1447	1446
. අ ස	68985 AAAGCACACAATCATTAAGTTATGCAGCTGTCCCTAACCCAGATCCATCTGACCAGGGGTC 68926	Db 67905)5 TTGAAGTAGGCCTCATTCATCTCTGGGCTACCACAGGTGTCTGGGGTCTGTCAGGATCAA 67846
ογ	1	Qy 1447	17
Ωp	68925 ATTCTCATAGCCACCGTTGCTCCATTGCCCCACAACATCACACTTTGAACGACAACTTAA 68866	Db 67845	IS CAGGCCTTGAGAGAGTGACCCAGAGGACTACTAAAAGGGACACCTGCCCAGGCCAGCC 67786
οy		Qy 1447	17 1446
q	68865 TCATGTCTTGTTACTATACAAAGCAGTCTAGATTTAAATTCACTGGAATTAAAGGGACCT 68806	v	TATTCTACCATCCTCGTTCTCCTGCAAAACCAAGGCCACGTCATTCAGCAGAGGACCTG
δλ	1447	Oy 1447	.7 1446
අධ	68805 CAAACTGCCATCTAGTTCCACTTCTCATAGGATGTCACAACTCCCTAAACAACCTAAGT 68746	Db 67725	35 CGTGTGGAAGGACCCTGCAGCTGGCCCATCACAGGAGGCCCCAGACTCACCTCCCAAGG 67666
ΟŊ	1447 1446		
qq	68745 GCTTGTCCTGCCTCCTTCATTGCCTCTGGTGCTTGAGGGTTGAGGGGTGGGGAATTGGG 68686	v	
Qy	1447 1446		CAGTACTGGGTGGCCACCGAGCTGT
qq	68685 ATATGCCCTCCCACGCTGCTCATACGCCCTCTTCGCAGATCGGATTCCCAAAACCCCAGA 68626	U	AAGCGCAGGATGGTCACCCATGTCTGCTTATTGAATGTGTCTTAGAAGCGGCTCCATG
Οy	1447 1446		
qq	68625 TTTTATAACCGAAGACATGCTGACAAAGGCAGAAAAATCCATTAAGCCAATAAATGAAA 68566	U	TGTGATTTCTTTCCCAGCATTGGTTAGTATGGTGTATACCATGATGAACTACTGTNNNNN
δλ	1447		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
qq	68565 ATATATCAATACATATTCATGCAAAGATGCCTCATAAACTTAGATGTCCATGTATGT	v	NNNNNNNNNNNNNNAAGAAAAAATAAAGATTCCTTATAGCACAGTTGCTTCTCGGCCAA
Qy	1447 1446		
qq	68505 TATACACACACACACACACACACACACACACACAAAAAAA	v	GAACCTGCCCTTATGAGTGTAAAGTAATAGCAGCTTTAAGAAAATACCAAATAGGCTAAT
٥y	1447		
qq	68445 GAGAGAGAGAGATACATTAAGATATCAGGCAGCTTTCTCTTCCCTGCTAGCCTGTT 68386	U	CTTACCAGAGGTGGTTGTTCAAACTCTGCAGACCATAAGACTTCAGCCAATAAAGCAATC
δλ	1447 1446		
qq	68385 GTGGACCAAGAACTCTGCGGCTCCTCTTCTGAGTACCCCCCGCCATTAGGTACTCACAT 68326	Db 67305	is gaattacaactacaagtgaaacaaatgccagaagaattacaagactttatgcggatntag 67246
Qy	;	Qy 1506	1505
qq	68325 GGGCTTTCCATCCTTGCAGACTTCCCAAGAAGCCACAGTGGGACCAGCCAG	Db 67245	5 AAAACTGGGAAAAGACATTANACAAAAGGATATGGAACTAAGAAGACAGAATGGTGTCCC 67186
ΟŊ	!	Qy 1506	1505
g G	68265 AATTGTGGTAGGCTGGGTCCTGGAGAGCTGGGGTAGGGAGAGAGGGAGAGATGCATG 68206	Db 67185	5 TGAAGAGGTAAATTAAGAATTCGTAATTAAGATCCACCAAAACTAATTTTATAAAAATAA 67126
ò	1	Qy 1506	1505
	4	Db 6712	67125 AGCATAACTTTTAAAAATGTTTTGTGAAAATACTGAAATTGAAGTGACTTGCTTCACTGT 67066

67.065 CAATHTHOTHTHTTHTHTHTHTHTHTHTAAGAGAGAGAGAGAGAGAGA	Db 65985 GATTATGAGGCATGGGCAAAA	GATTATGAGGCATGGGCAAAACTTGATGTGGTAAGTTAATCTAGTCATTTGCTTCTTAAT 65926
CANTILL TOTAL TATAL TOTAL TOTA		
1506 1505	Qy 1543	1542
67005 IGGCGCGATCTCGCCTCACTGCAACCTCCGCCTCCTGGGTTCAAGCAGTTCTCCTGCCTT 66946	65925	ATTTGAGTAAAATTTTCTGGGAGTTAGCTGATAATCATGGGTTAAGTGAAAAATAATGTA 65866
1506 1505	1543	
66945 AGCCTCCTGAGTAACTGGGACTACAGGCGTGCACCACCACCCAGCTACTTTTGTATT 66886	Db 65865 GAGTTATGGCCTGTGTTTTTC	GAGTTATGGCCTGTGTTTTTCTCTTATTCATGATTTTTATGTGGAATAAACATTTAATGAC 65806
1	Qy 1543	1542
66885 TTTTTTTTTTTAGAGGGGGGCTCTCATCATGTTGGCCAGGATGGTCTTGATCTGTTG 66826	65805	ATAGCTCTTTAGTTAATGAGATAATTTTTTTTTTCTGCAATCCTTTTCAGCAAATGGTGG 65746
1506GTCTGCCCC 1516	1543	
	Db 65745 CTAAAACAGCCATTATTGAA	CTAAAACAGCCATTATTTGAAGAGCTACTGTGNNNNNNNNNN
1517 GTGCCCGGCCCCGGGCCCAGCTGCT	Qy 1543	
	65685	AGGTAGCTACTGATAGGGATTGATCGTATGGACATAGATTGCAAGATCATGCCAAGAGAC 65626
1543 1542	Oy 1543	1542
66705 TTAAATATATACCATATTTTAAGGCTTAGTGAGTAGTTACTGAAGGGATGATCATGTGA 66646	Db 65625 ATAAGTTCCTGTTGAAAATTT	ATAAGTICCIGITGAAAATITITAATGICIGCCAGGIGAGTATCTACAAGATICTACAATA 65566
	Qy 1543	1542
ТААТАСТТАСАБСТАААТАААТСАССАТСАТААААТААСАСПОТОПОТАТАТА	Db 65565 AACCGATAAAAGCAAATACGG	AACCGATAAAAGCAAATACGGCACCATTATTATAAAGTGACAGAAGTTCTCTGACTTTTT 65506
	Оу 1543	1542
- AAAATAATATATATATATAATAATAATAATAATAATAAT	Db 65505 ACTTACAACAGAAGTACTACC	ACTTACAACAGAAGTACTTACCTTCTCTCTTTAAATACTGATACAACATATT 65446
100001100001101000011010010010010010010	Qy 1543	1542
CONCARACTOR CONTACTOR AND	Db 65445 GGAGAACTTTTCAATTGTCTG	GGAGAACTTTTCAATTGTCTGAAATCAGATTCGAGCTGGAACGAGTTTGCAGGAATTGGA 65386
	Оу 1543	1542
	Db 65385 GGAAGAACAGTTGTGGCAAAC	GGAAGAACAGTTGTGGCAAACTGAGCAGGTTTTTGTTCTATCTCTATGGGCATTTTCTCG 65326
diiiiteen karaan karaan karaa ka	Qy 1543	1542
	Db 65325 CTGTAAGACTGACATACATCC	CTGTAAGACTGACATACATCCTGCTTCAAACTGGCTTGAGGTCTGAAATATTTCAGAGGT 65266
CATCGTACTAGGCTGAAGATAGGTCGTTTTTGAAGTTTGAATTTAGGATTGCAAATTAA	Qy 1543	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Db 65265 ATCAAACAGAAAGAACCATA	ATCAAACAGAAAAGAACCATAAATAATCATAGCTCAATCAA
66345 AGGTATAATTAGAATTTCTAGGTAATACTTTTTTCTTGTGATTGAACAATGTTCAACACT 66286	0v 1543	2.545.
1543 1542	65205	TITAAATITITGACTATTAATATTGATTATCTATTTGTATTAGCAGGCATTCAATTAT 65146
66285 CATCAAAGTATGAATTAAACTTTTAAAGTATAATTGTTATAAGTGAAGGTGGTAAATTGG 66226	1543	
1543 1542	0 I	
66225 TCTTTTAAACACTTTAAAATTAAAAATTCTTAGAAGAAAATATAGTGAGAATTTTAAA 66166	65145	TTCAGCTAATAATATATAAACATTTTTTGGCAAAACAGATTATGCTCTTGCAAATTTTCA 65086
1543 1542	1543	
66165 CATAGCTAGTTATACAAAGAGTAACAGAGCATAATACTCACAACTTTGTGTTTTTTTT	65085	CATGCTGGCTATGTAATGACTATTCTCCTCTGGTGGGCAGCTAACCTATCCACCTTTTGA 65026
1543 1542	Qy 1543	1542
66105 CCTCCTTAGAATTTACCTCCTATTCGAAATGGGAATTTTAGGAAAAAGAAGAAAAGGCAAA 66046	Db 65025 GTATACCATTTCTATATTT	GTATACCATTTCTATATATTTCAATTACCATGTCACATACACTAATGATTTAGCCTTTCA 64966
	Qy 1543	
	Db 64965 AAGATCTAAATGATCATTTTC	AAGATCTAAATGATCATTTTCAAGATATTCCAAAAAGGAAGAAATGCTTCTTCCAAAAA 64906
00043 GC17676GG1C11CC6767676GGAGGAGGAGAAAAAAAAAAAAAAAAAAAAA	Oy 1543	

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qa	64905 AACTGCCTATATAGTATTGTCCCATGATCTATACTATCACTTTAAATAAA	ΩD	63825 TATCGTAAATTTAAGGCCATGTCATGTTTAGAGGTGCAAGCCCAACCGTAGGGACACG 63766
Qy	1543 1542	δλ	. 1543
qq	64845 AAGTTCAAAGTTTAAAAGAAAAAAAAACTTTTAGCAGGTTTGTTGAGTGGCAATGTAAA 64786	qq	63765 GGAGGGTGTTTTNNNNNNNNNNNNNNNNNNNNGCAAGTAGTTCATCAGAAACCAATGAG 63706
Qy	1543 1542	δy	1543
q	64785 AATATATGAGTAAGGTTTCCATACCTCAAAATGAACCTAATTAGTCTATATTCTTGTATT 64726	QQ	63705 AACAAAGACACAACGTACCAGAATCTCTGGGACACATTTAAAGCAGTGTGTAGAAGGAAA 63646
Qy	1543 1542	ΟŊ	TTCATTAAGCTGGCGGCCCACCTCAAGGAGCAGAAGAATCTCAA
qa	64725 TCTCATTATCAAGAAAAACACATAAACTATTTTTAAATGCCAAACAAA	Op	TTTATAACACTAAAATGCCCACAAGAGAAAACCAGGAAAAGATCTAAAATTGACACCCTAAC
Qy	1543 1542	δy	
qq	64665 CACAACAGTCTTAAATACTAATGGATGAAATAATGGCAATCCATAAATTCTACATTTTA 64606	q ₀	ATCACAATTAAAAGAACTAGAGAAGCAAGGCAAACAAATTCAAAACCTAGCAGAAGGCA
Qy	1543 1542	δy	
qa	64605 TGAAGCTTCCTTTTAAAAACTAAAATTTTGCTGAACTAAATAATAAAACTGAAATCCTA 64546	q	63525 AGAAGTAACTATGATCAGAGCAGAACTGAAAGTGATAGACACAAAAAAAA
Qy	1543 1542	δy	
QQ	64545 GAAATGAAAATTTTAAACAAAATCAATTTTCAAGATACCTTCTTAAATTTCAC 64486	qq	CATCAATGAATCCAGGAGCTGGTTTTTGAAAAGATCATCAAAAATTGATAGACCACTAGC
δy	1543 1542	ΟŊ	
qa	64485 ACTGTGGTTAAAAAAAAAAATGGTAATCATTCTTTAAGCAAAATCACCCTTACAATAAGTA 64426	qq	aagactaataaagaagaagaagaagaatcaaatatcacaatacaaaagatgatacgag
Qy	1543 1542	Ολ	1594 1593
qq	64425 CAAACAAAAAAAGAAAAGTAAAAGTTAAGGCAGTTCAAAAAATTAGCATGATGAG 64366	qq	63345 AGCTATCACCACTGACACCACAGAAATACAAACGATAATTCAGAGAATACTACAAACAC 63286
δλ	1543 1542	δλ	1594 1593
qa	64365 TACAAATCAGAAGTCTCAGTAATATCAATTCTCCATTGGAATTAACCCATTCTGGATGAT 64306	qq	63285 TCTACGCAAATAAACTAGAAAATGTAGAAGAGATGTAAAAATTCCTGGACACATACACC 63226
δŏ		Qy	1594 1593
· 40	CAGCAAATAACAGTATTTCTACTCACTGCAGGGATGAAGTATCACTGACTTCTATTT	qq	63225 TCCCAAGACAACCAGGAAGAAGTTCAATCTCTGAATAGACCAATAACAGGCTCTGAAATT 63166
òO		Qy	1594 1593
r qa	TCAATACTTTTGCTCTTGGAGTATCACTTGTGGGAAAAAGGTCATATTGGATTGAATHAT	qq	63165 CAGGCAATAATAGCCTACCAACCAAAGAAGTCCAGGACCAGACGGATTCACAGGTGAAT 63106
δò		Qy	1594 1593
qa	64185 TCTTACTTGTGGTGCCTGTGGCTATTACATTTGCTAGATTAATAGGATTATTCTCTG 64126	qa	63105 TCTACCAGAGGTACAAAGAGGAGCTGGTACCATTCCTCCTGAAACTATTCCAATCAAT
ΟŽ		Qy	1594 1594
qq	64125 GAGCAGCAGCAGTAGTGCTATCTGGCACATCAATAGTCTGTATCAAATTACCAGTTTCTT 64066	qq	63045 AAAAAGAGGAATCCTCCCTAACTCATTTTATGAGGCCAGCAACATCCTGATACCAAAGC 62986
δλ	1543 1542	Qy	1594 1593
qa	64065 CAATAATAACCTTCTTGAGTGGTTTCTAAAACAATTAAAATCCATTAAAATCCTTAAATCACAAT 64006	Ор	62985 CTGGCAAAGACACAACAAAAAAAAGAGAATTTTAGACCAATATCCCTGATGAACATCAAT 62926
Qy		δy	1594 1593
් සි	ATTAAAGGTTTCCTGATTTAGGGTCACAAGTTTAAACGGTGCAATGGTCTTACAGCTAAT	QQ	62925 GTGAAAATCCTCAATAAAATACTGGCAAACCGAATCCAGTAGCACACAAAAACCTTATC 62866
0y		οy	1594 1593
qa	63945 ATCCCAGTGATTAGTGAATTCAATTTCGGTGGCTAGACAGCCTTAGAAGTCTGAGGATAC 63886	qа	62865 CACCACGATCAAGCTGGCTTCATCCCAGGAAGAAAGGCTGCTTCAATATATGCAAATCA 62806
δ		Qy	1594 1593
· අ	AAAGATTAAAAGCGTTCCAAAAGCACTATCCCAGGTACGAACAACGGGAGGGGCCTTG	QQ	62805 ATAAACGTAATCCATCACATAAACAGAACCAACGACAAAAAACCACATGGTTATCCCAATA 62746
ò		δy	1594 1593
!		QQ	62745 GATGCAGAAAAGGCCTTTGACAAAATTCAACAGTGCTTCATGCTAAAAACACTCAATAAA 62686

QQ	60525 AAGGCACTGCCCATGAGGACATGGACCAGGGAGCAGTTAGGACCCAGGGCACTGGGGTGG 60466	59494	TTTGGTGGTTTCA
δò	1834 AGTGGAGAATCTCATCAACTTTGAGAAGATGAGAATGATGGCCAGAGCCGCGGGATGCT 1893	Qy 2118	
qa		Db 59434 AATTGG	AATTGGGAAGGG
ò	GCACCA	Qy 2118	
· qa	 GTACCACGAAGTGCCCTTGTCCCCTGGCTGAACACTGACAGAAGCATACCTCAGACCGG	Db 59374 TGNTAA	TGNTAAATGATGC
ò	CTGCCGAACACCAGAACCCAGAACAACAACAACAACAACAAC	Qy 2118	
7 A	GCCCTCCTGGCACCTACCATTCCTTCACACATCCTTCATCCTTCATGCCCATGTCCCATGTCCTTCATGTCTTCATGTCTCATGTCTTCATGTCTTCATGTCTTCATGTCTTCATGTCTTCATGTCTTCATGTCTTCATGTCTCATGTCTTTCATGTCTTCATGTCTTCATGTCTTCATGTCTTCATGTCTTCATGTCTTCATGTCTTCATGTCTTCATGTCTTCATGTCTTCATGTCTTTTCATGTCTTTTCATGTCTTTTCATGTCTTTTCATGTCTTTTCATGTCTTTCATGTCTTTCATGTCTTTCATGTCTTTCATGTCTTTCATGTCTTTCATGTCTTTCATGTCTTT	Db 59314 AGTGGC	AGTGGCTGGTACT
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ද අධ	TGGCTTCTTATGCCCTGCTGGACTTACACACGGTCCCTTGCTGTGTGTG	Db 59254 GCAAGO	GCAAGCCGGGTGG
ò		Qy 2118	
: q	GCAGAACAGCGGCTAATTCTCGCTTTCACCTGGAGATAGGAGAGAGA	Db 59194 CCTTCA	CCTTCACTTAGGA
ó		Qy 2118	
q qq	CAAGTTCATGTGCAGAGCCAGGCTTTTGCTAGGGGTGTGGTTAGGTCCAAAGACACA	Db 59134 TTAAGA	TTAAGAATGTTGA
δλ		Оу 2118	
qq	60105 AGTGCTGGGGGACAAAGATGTGGCCAGGTCAGGTGTTCCCAGGATTCAGCAGGAGAAAA 60046	59074	TCTGCTGTTAGTC
ΟŸ		2118	
QQ	60045 GCAAGTGGAGAAAATGGGCTGAGAGGGGGGAAGGATTTTCAGACAGGGCAGCGCGGGG 59986		CITAACACITITI
٥y	1961 1960	Qy 2118	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
qq	59985 GCAAGAAATCAGACTGAAAATTCCAGCCATAGATGGAAGTGGAGAAATGCCCTCTGGCC 59926	Db 58954 GCICIT	GCTCTTCTCGAGG
οy	1961 1960	Qy 2118	1 1 1 1 1 1
qa	59925 CAGCAGTTGGAGTTTCAGGGAAGTCACAGGAAGAAGATGCCTGGTACGGGGGAGGGGT 59866	Db 58894 TGCCTT	TGCCTTGCTAGGT
٥٥	GAGGACAGAGGGGGGGAGATTTCCACATGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	Qy 2118	1 1 1 1 1 1 1 1 1
7 E		Db 58834 GTTCCA	GITCCATICICC
ì	りてすることでは、これでは、これでは、これでは、これでは、これでは、これでは、これでは、これ	Qy 2118	
5 5	SOLI CACCCOGAGICCAGCCAGCCAGGCGCTIAIGICCAGCAGGTCATTGACAGGTCATTGACAGACGTCATTGACAGGTCATTGACAGGTCATTGACAGGTCATTGACAGGTCATTGACAGGTCATTGACAGGTCA	Db 58774 TAGTCC	TAGTCCCATATT
3 8	TITITOCHOLING TO	Qy 2118	
7 A		Db 58714 CTTGTC	CTTGTCGCTTTAT
Qy		Qy 2118C	CTGGGACT
qq	CTGTGAACTGTGGGCCCGTTCAGGTGCCAGGGAAGCACTTCCTACCAACCA	Db 58654 CGAATC	CGAATCAGCTACT
ò		Qy 2173 CCA	1 1 1 1 1 1 1 1 1
7 6	<u>につからているとのなってものできなっていましまる。 あっていましまして あんだい あんだい かんだいがい しょうしょく しょくしょく しょく </u>	Db 58594 CCATCA	CCATCAGTCATTT
ìò	112222222222222222222222222222222222222	Qy 2176	
7	***************************************	Db 58534 TTTTC	TTTTCAAGGTTT
3 8	TACCIGATIGCGCACACATGIGCAACICGCTTTTGATTAACAATNNNNNNNNNNNNNNNNNNNNNNN	Qy 2176	
5 8		Db 58474 GTTTGT	GTTTGTATTACGG
a (NNNNNAAAUGCACCAACTGGATGGGGGCCTTTAACCTCTTATCCAAAAATTTGCAAAGCC	Qy 2176	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
δŏ	2118	Db 58414 CAGCITA	CAGCTTAGTTCCA

CARARTTGGGGACATTTTACCCCCAATTTACAATTTATAGGGGATAATT 59435 SCAGTITCNTCNTAGCATCATGGGTCTTACAAATTTGCCCTGTTTTGC 59315 PRGGTTGTTTCTTTCCATGTTTAGTGCTTCCTTCAGAAGCTCTTGTAAG 59255 PCTGATGGGCTTTCCTCTGTGGATAACTCGACCTTTCTCTCTGACTGCC 59015 STIGGGGAAGTICTCCTGGATAATATCCTGAAGTGTGTTTTCCAATGTG 58835 GACCTTCTGAAGCCTACTTCTGTCAACTTGTCAAAGTCATTCTCCGTC 58415 SGGGAAATTTTAAACCCTGCCAATTAATGATGNTCGTGGTAATTTGGAC 59375 2117 SGTGACACAATCTGTCAGCATTTGCTTGTCTGTAAAGGATTTTATTTCT 59195 SAAGCTTAGTTTGGCTAGATATGAAATTCTGGGTTGAAAATTCTTTTCA 59135 BAACATTGGCCCCTACTGTCTTCTGGCTTGTAGGGTTTCTGCTGAGAGA 59075 PTCCTTCATTTCAACCTTGGTAAATCTGACAATTTTGTGTCTTGGGGTT 58955 3GAGTATCTTTGTGGCATTCTCTGTATTTTGTGAATTTGAATGTTGGCC 58895 CCCATCACTTTCAGGTACACCAATCAATCGTAAATTTGCTCTTTTCACA 58775 TCTTGGAGGCTTTGTTTGTTTTTTTACTCTTTTTTTTTCTCTAACCTTGT 58715 ATTICATTAATTIGATCTICAATCACTGATACCCTTICTTCCACTTTAT 58655 TAAGGTCTTCTCTGCACTGTTTATTGTAGTTAGTCATTCGTCTAATCT 58535 TITAGITICCITAIGAIGAGITCGAACAICCICCITIAGCITGGAGAA 58475 58414 CAGCTTAGTTCCATTGCTGGTGAGGAGCTGTGTTCCTTTGGAAGAGAATAGGTGCTCTGA 58355 2117 2117 2117 2117 2175 2117 --- 2175 2175

č	3716	, oy	2176 2175
3		QQ	57274 CGCCGCAGCACATAAATCTATGCCGGTCCGGAAATTCTGGCCTCCTGCCACCAGACGT 57215
q	58354 TTTTAGAATTTTCATCTTTTTGCTCTGGTTTCCCCCATCTTTGTGGTTTAATCTCCC 58295	ò	
ογ	2176 2175	ž č	
QQ	58294 TITGGTCTITGATGTTGGTGACCTCAGTTGGAAATGTAGAAATCACCCTTCTTCTGCGTT 58235	g	GGAAAACTGCCTGATAGAGTCCACCCGCAATAGCATGGCACTAATAAAGCGATGCT
δ	2176 2175	δy	2176 2175
q	58234 GATCACGCTGGGAGCTGCAGATTGGAGCTGTGCCTATTCGGCCATCTTGGAACGCCCCCT 58175	QQ	57154 GGAATCTGTCGCAGCAGAGATGATGAGCGTTTCTGACGGTGTTATGCGTCTGCCTTTATT 57095
ò		οy	2176 2175
අ	AACTCGTAAAGGAAATGTTGAAATGTCTTACTGGGGCACTTTTTTTGTTTTTTTT	qq	57094 CCTCGCGATGATCCTGCCTGTTCAGTTGGGGGCAGCTACCGCTGATGCGTGTACCTTCAT 57035
ò		δ	2176 2175
· 8		Q	57034 TCCGGTTACGCGTGACCAGTCCGACATCTATGAAGTCTTTAACGTGGCAGGTTCATCTTT 56975
ò		δ	2176 2175
· ස	AGAGTTTTGGGATAACTTTTTAAGTGAGTAATTTAATTT	Op	56974 TGGTICTTATGCTGCTGGTGATGTTCTGGACATGCAATCCGTCGGTGTGTACAGCCAGTT 56915
ò		ογ	2176 2175
. අ <u>ප</u>	57994 TCTGCCTATTTCTCTTTATATAAAGGGTTTCAAGGAGTTTTACATTTTATAGAATTAAA 57935	QQ	56914 ACGTCGCCGCTATGTGCTGGTGGCAAGCTCCGATGGCACCAGCAAAACCGCAACCTTCAA 56855
ò		Qy	2176 2175
7 6	しょうしゅう じしょう さんきょう じじゅうしょう かいかい かいかい かいかい かいかい かいかい かいかい かいかい かい	qa	56854 GATGGAAGACTTCGAAGGCCAGAATGTACCAATCCGAAAAGGTCGCACTAACATCTACGT 56795
ì	1000110011	Qy	2176 2175
3 2		QQ	56794 TAACCGTATTAAGTCTGTTGATAACGGTTCCGGCAGCCTACTTCACTCGTTTACTAA 56735
3 8	inanitatsanainincaincasanangincecangacanaitatanitasanangani	ò	2176 2175
Š		q	56734 TGCTGCTGGTGAGCAAATCACTGTTACCTGCTCTCTGAACTACAACATTGGTCAGATTGC 56675
a	57814 TACAAAGTGAACACCCATGAAATCACCGAGTCAGAAAATTAAGACATCACCCCTAAAAA 57755	ò	
ò		qq	56674 CCTGTCGTTCTCCAAAGCGCCGGATAAAGGCACTGAGATCGCAATTGAGACGGAAATCAA 56615
QQ	57754 CCTCTCTATGTACCCCTGACTGATCAAGATCCTCTTCCTGCCCTTAAACTGTTATGCA 57695	ł å	
ογ	2176 2175	ें र	
qa	57694 TAGACGATCCTTTGCATAACAGTTTTCTTCATTAGAAATAACAATTTCATAAGGAAGTCA 57635	a a	TATTGAAGCCGCTCCTGAGCTGATCCCGCTGATCAACCACGAAATGAAGAAATACACCT
ò	2176 2175	ΟŅ	2176 2175
qq	57634 GAGGAGGTATTTTTATCCTCTTTTTATAAAGGCAGAAAAGGAAAGTTTGTTT	qq	56554 GTTCCCAAGTCGGTTCGTTATCGCGGCTGAGCACGGTACAGGCGGCGTATGAAGCACA 56495
δ	2176 2175	ολ	2176 2175
qq	57574 TICTACTAGTAGTAGTAGCAAATAGATTTCTTAGTTTAATACTTTTCCAGTGCATTTAA 57515	QQ	56494 GCGTGAATTTGGTCTGGACCTGGGTTCCCTACAGTTCCGCACCCTGAAGGAATACCTGTC 56435
č	;	٥y	2176 2175
q	57514 TATGACTGTATTCTTTTTTTTTTTTTTTTTTTTTTTTTT	QQ	56434 TCATGAACAGGATATGCTGCGTTTCGCATCATGATCTGGCGCACTCTTGCGACCGAC
ó		ογ	2176 2175
q	57454 NNNNNNNNNNACAGTAGTTCATCATGCGCAGTTCGTACTGATAACCAATTCATTAAAGA 57395	qq	56374 TTTGACATCGCTCTGCCGGTTAACCAGTCCTTTGATGTATGGGCAACCATCATTCGTGGC 56315
ò		ογ	2176 2175
: 8	TGATGCCGCGTGCCGCATCTATCCTTGAAGCTGCACGTAAAGACCCGGTTTTTTGCGGG	qq	56314 AAATTCCAGACTGTATATCGCGACATTATTGAGCGCGTAAAATCTTCTGGTGCGATGGGG 56255
è		δy	2176 2175
3	: :	QQ	56254 ATGTTIGCTGGTGCTGATGCAGCATCTTTCTAAACAGTTGCCGAAGGATTTCTTCCAG 56195
3	5/334 IAICICIGAIAAIGCCACCGCICAAAICGCIACAGGGGGGGAAGTGCACTGGCTGACTA 5/2/5	δλ	2176 2175

ź		qa	55120 TGGACCCGAGCCAGGAATANCGAATGACCCAAGGCAAGGAAGGGAGGACAGAGGACCCC 55061
Qq	50134 CCAGCCGAAGACTATATCCAGACTCCGTATGTTCACTACGTACCCCATTTAGGACC 56135	ΛO	2359 CAGGAGTGGGAGAGAGTGGAGTGCGCTGGGACGTTGTGTGTG
δλ	2176 2175	7 2	
qq	56134 ACCCACAGCACCTAACAAAACGGCATCAGCCTTCTTGGAGGCTTCCAGCGCCTCATCTGG 56075	3	CAGGAG1GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
Qy	2176 2175	Qy	CCAGA
qq	56074 AAGIGGAACACCIGIAGCAICGACCIGCAGGGGGGGGGG	අු	CCAGATGTCTTCCAGATTCTGTGCCTCTGGCTTTGTTGTCCAGCCAG
0y	2176 2175	Qy	2424 2423
qa	56014 AAGAAGGTGTTGCTGACTCATACCAGGCCTGAATCGCCCCATCATCCAGCCAG	qq	54940 TTTCACAGTGGACAGAGAGAGAGAGAGAGGCTGCATGTGTACCGTGTGTGGCAAGGGC 54881
δ	2176	δλ	2424 2423
· qa	GGGAGCCACGGTTGATGAGAGCTTTGTAGGTGGACCAGTTGGTGATTTTGAACTTTT 558	QQ	54880 AGGCCTTGGCCTGGGGCAGGGCCCCCTGCTTTCTTTCCACAGTTTCTTCCAACAGCA 54821
ον	2	Qy	2424 2423
' 셤	55894 GCTTTGCCACGGAACGGTCTGCGTTGTCGGGAAGATGCGTGATCTGATCTTAACTCAG 55835	qq	54820 GGCAGTGGGGCTGCGGGCCTGTGCGGTGCTCTGAGGAGCTTTATTGTTACTGTCAACA 54761
0y		Q <u>y</u> .	2424 2423
q	55834 CAAAAGTICGATITATICAACAAAGCCGCCGICCCGICAAGICAGCGIAAIGCICIGCCA 55775	셤	54760 TAGTAGTATGTTCCAGGCCAGCCAGAGTGGGCGTGGCAGGGAGGCTGAGGCCCCGCCCT 54701
Qy	2176 2175	Οy	2424 2423
qq	55774 GIGITACAACCAAITAACCAAITCIGATIAGAAAACTCAICGAGCATCAAATGAAACG 55715	qq	CTGGGAAGGAGCTGTGGAGGAGAAGCAGCCCCATGCTGGGCACGGGCCAGACTGGGTCCA
ογ	2176 2175	ΟŊ	2424 2423
q	55714 CAATTTATTCATATCAGGATTATCAATACCATATTTTGAAAAAGCCGTTTCTGTAATGA 55655	qq	54640 AGAICCIGAIGCCACCCAGAIGIGCCICCAGGGCTCIGGCCAAAGGGCGGGGGGGAGCCI 54581
δ	2176 2175	δy	2424 2423
q	55654 AGGAGAAAACTCACCGAGGCAGTTCCATAGGATGGCAAGATCCTGGTATCGGTCTGCGAT 55595	qq	54580 GGAGCCCCTGTCAGCCAGCCAGGGTGACCATCAGCTCCCCGTGGTGGTCCAATAGGA 54521
Qy	2176 2175	Qy	2424 2423
qa	55594 TCCGACTCGTCCAACATCAATACAACCTATTAATTTCCCCTCGTCAAAATAAGGTTATC 55535	qq	54520 CTTTACAGTCCAGATGCAACTGACAGCTTCTTCCCAACTGCAATCCCCGCTTTTCCACAC 54461
Qy	2176 2175	δλ	2424 2423
qa	55534 AAGTGAGAAATCACCATGAGTGACGACTGAATCCGGTGAGAATGGCAAAAGCTTATGCAT 55475	qq	54460 TICAGCICGICCIGCCIGITGGGCCAGGCTITCIGGGGGICTICIGGGGGIGGCIIGIGA 54401
٥٧	2176 2175	δλ	2424 2423
q	55474 TTCTTTCCAGACTTGTTCTACAGGGCAGCCATTACGCTCGGCATCAAGATCACTCGCATC 55415	ΟD	54400 TAGAAACAATGCTGAAGCTTCCGCGGAGAGCCCGTCGCTTGTTGAGGCCCAACAGACTTC 54341
Οy	2176 2175	٥y	2424 2423
q	55414 ACCCAAACGGTAATTCATTCGTGAATGCGCTTGACGAGACCGAATTCGGGGATCGTGGTAT 55355	q	54340 CAGGAAATCAĠGGTTTATCATCAGGGTTGAGAATGGTCCCAGCAAGCTCTGGTCATACGA 54281
Οy	2176 2175	QY	2424 2423
qq	55354 AAAGCCATTTCAACCAGGATCGAATCTNNNNNNNNNNNNN	QQ	54280 ATCCTCTTCCCTGCCCCTTCAGCACTTCCCCTAGGAACCAGCTACTGCCAGGACGCCT 54221
Οy	2176AGA 2178	Οy	2424 2423
1 gg	TAAGAGGGCTGGACTGAACTGAACAGGCATTGCACCGGGAAACCCAGGTTTCCGGGCAAA 552	qq	54220 CTTGCGAGGCAGAGCTCACCCAGGAAGCTCCAGGGACTCCACCCTCTTGCCTTTG 54161
ò		Qy	2424 2423
: <u>8</u>		qa	54160 CCCTGAGTCCTGGCAGCAGGAGGCACTTGTCTGGCCAGAGAGAAACTCATGGCCCCTGG 54101
Å	GCAGGCAGTGTGGAGGCATCCCCTGTGATGACTGGCAGCTAAGGAGGACTCGGAG	Qy	2424 2423
ପୁ		qq	54100 CATGACTCCTGAGTAGTATTGAGGCTGCAGGCCTTGGGCGTCCAGAGGCAGCTGGTAT 54041
Οy	2299 TGGACCCGAGCCAGGAATAACGAATGACCCAAGGCAAGG	QY	2424 2423
		qa	54040 GCCCCTCTGCACTTCAGCCCCATGGATGTGGATACACAGGCCTGCTGCTTCCAGAAAGG 53981

۶ و د	2424 2423 53080 GHCAGAGGGHHHAAGAAGGAAGGAAGAAAAGHAAAAAAAA	2424	TTAAGATCCGGAAATATGGCACCACCACAAAGATTCCCTTTGTGCCATCCTTTTATAGTC 52841
ìò	§ ;	2424	2423
: 음	TCTGAGCAAGTCAAGAAGAGTTCTCTTCCTTCATTTCTCCACCTGTAAGCCAAGTTATT		ATACTGCTCCTCTACGCCACCTTCTCTAACCCCTAGACAGTCAGAATTCTAAGATACT 52781
ô	2424 2423		
qq	53860 GATTAAACGCCATACAGCGGTTTAGTGACAAACACATTTAAAACTTGTAGCTTCTTGCTC 53801		CCCAGAAAAGAATGACTGTGCAGATGTCTTTGTCATAAACTGAAGGACCTGTAGAAATGT 52721
Οy	2424 2423		
đ	53800 TGATAGCCAAAGTGCAAAGCAAAAAAGGGCAGTTCCTGTGTATCCAGGCCTGTTAGGGGGGC 53741		GCTAAAAGAATGCCTTTGTGTCTAGTCTTAGGACTGGGCTGTGTGTG
οy	2424 2423		
q	53740 AGCCTCGCCTCAGTTGAGGTTGAGGAGACTGAGTNNGCAGCAGTGCAGT		GGCCTATCTTGATCCTAGGAAGTTGGGCTTCTTTACCCTTCTAGACTGGGATAGCAGATA 52601
δ	2424 2423	2424	
qq	53680 CAAACCAGTTCCCTTGCCGTGGTGGGGNACACAGGAGAAGCACGGAAGCATCTGGAACTG 53621	52600 TGTGTCCTCCCATCTCCCACATGTGAT	TGTGTCCTCCCATCTCCCACATGTGATACACAACATACTTGGAGAATCACCATCAGTGCT 52541
ò		2424	2423
· අ	AGCAATCAGGACAGGAGGCTCAAGCCTGGGTGAGTCAGGAGTCCGGGGGCTTTCTTT	52540 CIGCCITACAACCCITTACCAGIGITT	CIGCCTIACAACCCITTACCAGTGTTTCAAGCAGCCACTGTCGTGTGAGCTGTGAAAGA 52481
ò		2424	
. a	TCCAACCATTGTCTGGTGTCTCGGCAAAAGCCAGCCAGCC	52480 GAACCIGITGGCCAGCCCTAIICIGCA	GAACCTGTTGGCCAGCCCTATTCTGCACTGTGATCTACTTTAAGGGTTGATGTGGGTTAGG 52421
à	} ;	2424	2423
5 7		52420 GGTATGTATGTTGGGGGGATGTGATAAC	GGTATGTATGTTGGGGGATGTGATAACCAACTGATGAATTTGGAATATATAT
gg (CGTTCTTCAGACTCTAGGGTGAGCCCAGCCCAGCGACAACAAAACCAAGTGCCACGG	2424	2423
δ :		52360 AGTTTTAAACAAGTGTTTATTACGTA	AGTTTTTAAACAAGTGTTTATTACGTAATATTGATTCATACCAAAGAATATGTAGAGAT 52301
සි	53440 GGGCCGGTGTCCTCCACCAGCATTTCTCCTCTGGTCACATCTACGTCCTGATGGGACTTC 53381	2424	2423
οy	2424 2423		CTATCTTCTABASCATASTAATAAAATGAATGAGCCTACCATCTAACTTAAAGAGA 52241
g	53380 TCCCTCCTCGTTGGACCATCAGCTTTACAGTCCAGACCACCCTGCAGCCACCGGTGGTC 53321		
ογ	2424 2423		
qq	53320 TCCCAGCTGCCCCAGTCTCGGGCAGGATGGCTTTTGAGCCTGGTGGGAGAGACCTTGCCA 53261		ATTITICCAATATTATTGAAGCTACTGGTATGCTCCTTTCTAATCCCATGTTCTTTTCTC 22181
ò	2424 2423		
q	53260 GGAGAATGGTGCCCAGGGCAGGCAAGAGGACACAGACTCTGGGAGCTAGAAGAGTTGCGC 53201		CCCTCTACTCCCAGAGGTAACCACTGTCTGAGTTCTGTTTATGATTGGCTTTGCATTT 5/1/1
δ	2424 2423		
QQ	53200 GCCAGGGGGTGATGAANNNNNNNNNNNNNNNNNNNNNNNN		GTCTGTTTAACATTTTTACTGAGGTATAATGTGCATCAAGTCCAAAAATCTTAAGTGTGC 52061
οy	2424 2423		
QQ	53140 ACCAAATTGTTGCTAAACAGCCACGATTTCAATCTCTTTCTATTTTCTACAAAAATT 53081		ATCTTCCTGAATTTTTACTCAAGTGTACACCTGTGAGACCACTGTTTGGGTCAAGATACA 52001
ογ	2424 2423		
QQ	53080 ACTGTACACTTATACTATTAAACCCAGTGTGCTCTTCATCCAGTTTCCTCTGTGG 53021		
ò	2424 2423		
QQ	53020 TIACACCTICCAGAGCTGIAGIAIACAGIATCAAAACIAGGAAATGGACATIGGIACAAG 52961		GAGCCAAGATCACACCACTGCAGTGCAGCCTGGGCCACAGAGGGAGACTCTGTCTCAAAA 51881
οy	2424 2423	AAAAAA 	
qq	52960 TGTGTGTATGGTTATTTTATCCCATGTGTAGGTTTGGATAACCCAAGCCGAAA 52901	51880 AAAAAA 51874	

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Primates; Catarrhini; Hominidae; Homo. REFERENCE 1 (bases 1 to 158784)	AUTHORS Muzny,D., Arenson,A.D., Brundage,E., Carvelli,K., Chen,E., Di,W., Ding,Y., Dugan,S., Durbln,J., Forcum,J., Ganesh,R., Garcia,C., Goodman,M., Gorrell,J.H., Haywod,M., Jackson,L., Rampal,R.,	<pre>Karpathy,S., Leal,B., Li,Y., Llu,W., Logan,O., Lu,J., Ly,T., Martinez,C., Oswal,G., Perez,L., Rashid,N.D., Rowland,K.,</pre>	Savage, L., Scherer, S.S., Shen, H., Timms, K.M., Todd, J., Vo.Q., Worley, K.C., Yu, W., Chinault, C., Nelson, D. and Gibbs, R.A.		KEFEKENCE 2 (DASES I TO 158/84) AUTHORS WOILBY,K.C. TITLE Direct Submission	ָט מַ	COLLEGE Of MEDILINE, ONE BAYIOI FIRES, HOUSTON, 18 //030, USA COMMENT (FRANING) On Jul 1, 1998 this sequence was replaced by a newer version 4.379154	Version 91:3284254. On May 2, 1998 this sequence version replaced g1:3046263.	* NOTE: This is a Working drait sequence, it currently consists of 9 contigs. The true order of the places	* is not known and their order in this sequence record is * arbitrary. Gaps between the confligs are represented as * ring of N. hit the exact stone of the mane are inknown	* This forced will be updated with the flished sequence * As acon as it is available to the archaelon number will	* be preserved.	72390:	113202: contig 113222: gap of	153121: gap of	154817: contig 154837: gap of		156645: contig 156665: gap of	157399: contig 157419: gap of	158121: contig of 702 158141: gap of unknown	LS8142	Source 1.136784 // Organiam "Homo sapiens"	/mol_cype= genomic bna /mol_cype= genomic bna /mol_cype= genomic bna /mol_cype= genomic bna /mol_cype= genomic bna /mol_cype= genomic bna /mol_cype= genomic bna	tch 95.0%; Score 2312.4; DB 1;	Pred. No. 4.5e-126; 0; Mismatches 1; 1	1 CAAGGATCCGATGGGTATATGGAGTGTGAGGTAATGGATCATTCAT	/30L5 CAAGGATCCGATGGGTATGGAGTGTGAGGTAATGGATCATTCAT	61 GGGGTTTTGAGACCAGGGTTTGGAAGAGTTCAGCACTGCTGGTAGTTTTGGGAATCA	/30/5 GGGGTTTTTGAGACCAGGGTTTGGAAGAGTTCAGCACTGCTGGTAGTTTTGGGAATCA	Qy 121 CCCATGTGCAGGGGACACATGAGGAACTCTGCAGGGGTCCCTGAGATTTGGA 180	OY 181 AATGTAGGAAGACAATGGATTGAGGTCCGAACCTGGAGGATCTGCTATACGCAGAGCT 240 Db 73195 AATGTAGGGAAGACAATGAGGATCGAACCTGAAACTGAGATAAACGAAAAGAAAACTGAAAACTGAAAAACTGAAAAAACTGAAAAAAAA	241 GGGAGGACGACAGAGTCAGTACCAGAGTCGGAAAAAAGCAGGGTGGGAAGGGGAACCTG
Db 87096 TCTACGGGGGAAATTGAGGCACAGGGGGTCAGGGAACTTGCCCCAGGATTGTACAGCTGG 87155	•	Oy 2424 2423 .	Db 87216 CTCATGTCCTGCTGCCCAGATCTGGCTGTAGACGCTCTTTATTTA	Qy 2424 2423	ω	Qy 2424 2423	Db 87336 GGCATTCAAGTGCTATTTGTCAGGTGAATGAAGGAATGAAT	Qy 2424 2423	Db 87396 ATAACCCAACTACCTTAGCACAATAATTATGGTAATTTTGACAGATTGTAGATTTCAAAT 87455	Qy 2424 2423	Db 87456 CATGGGTCAGGAACCGCTCCTGCCAGTCCTGTCTGTCATCATCTTTGAGGCCAGAA 87515	Qy 2424 2423	Db 87516 CAGCCCAGCTGTGCCAACATACCTGGGGCGAGAGGCAGCCCATGTTCCTCACGCCAGCGG 87575	Oy 2424	Db 87576 TCAGCTGCGGGTTGGCCTCGGGCCTGTCTCTTGATCTCGCCCTTACTCACTC	Oy 2424 2423	Db 87636 GCTGTCTCTGAACCTCCTTATCGCTGTCTGCCTGTCTTGCCCACATCTCCTTGTTCTC 87695	Oy 2424 2423	Db 87696 ATTGTGCCTCTAGACCCTCTTTAAAGCCAGTGGAGTTTGAGGACATGCAATAGTAATTTT 87755	Ογ 2424 2423	Db 87756 ATAATCATTACTGGGCAGTGTAAAACAATTAGCACAGCTGGCAAAGAGTGTAGGCAG 87815	Qy 2424 2423	Db 87816 ATGGTTCCTTTGGGATCCTAAAAAGCAGGATACAGCTGAGATCTCTGTGACACTGTGGA 87875	2424	DD 8/8/8 TICAGAAACIGCIGGAACIGTCCAGICCCCTGGGGGGGCGCCCCTTGTAGGGGTGGTGCCC 87935	87936 AAGGGIGGCTIGGGGGITTAGGICCTCCIAAATTICCATTAGGCCCCAACAATACACAA	Oy 2424AAAAAAAAA 2434	Db 87996 TATAGCTAAAAAAAA 88013		RESULT / ACO04241 LOCUS AC004241 158784 bp DNA linear HTG 02-MAY-1998 DEFINITION Homo saplens, *** SEQUENCING IN PROGRESS ***, 9 unordered pieces.	ION ACO04241 N ACO04241 DS HTGS_PHASEL.	SOURCE Homo sapiens (human) ORGANISM Homo sapiens Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria;

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CCG 73314 CCA 360 C1-1 73374 GAA 420 II GAG 73374 CAT 480 CAT 480 CAT 73494 TAC 540 II 73494 TAC 540 III 73574 GAT 720 GAT 720 GAT 7304 GAT 73014 CCC 840 III 73574 ATT 660 III 73574 ATT 660 III 73574 CCC 840 III 73574 ATT 73674 CCC 900 CCT 73954 1014 1014 1014 1014 1014 1014 CCT 74334 1014 1014 CCT 74334 1014 CCT 74334 1014 CCT 74334 CCT 74334 1014 CCT 74334 CCT 74334 CCT 74334 CCT 74334 CCT 74334	1071 TGACAGCCTCCGTGAGAGAGGTGATGGCAGCGTTGGCCCAGGAGGATGGCTGGACCAAGG	1163	1163	39 1163	1163	29 1163
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ογ	1163 1162		
gg	75475 TGACAGCTGGAACCCAGGGCAGACAAGAATTAGGGGGGTTCAAGAAGTGGGGGTGAGAAA 75534	Db 76555 TTTTGAGTGTGGCAGTGGTGGATTCTGGGGAGGGTCCCAGGGAGAAGAGGGAGG	GTCCCAGGGAGAAGAGGAGGAGGGGC 76614
Qy	1163 1162	Оу 1261	1260
qq	75535 AGAAAAGCCTTCTCCCTTCAGGAAGTGGGAGAGATGGTCACCTGTGTGCCCTGCCTG	Db 76615 CTGGCTCTGGCTGCTGGTCCTCAGCACACAAAGGAGTGGGGCCTCAGCTGATGGGGG	AAAGGAGTGGGCCTCAGCTGATGGGGG 76674
οy	1163 1162	0y 1261	1260
QQ	75595 GAAGCACTGCCCTCTGCTGGCCACCTGGTGAGTTGCCAAATGCCCAAAGGTCATGTTTATT 75654	7	
οy	1163 1162	1261	1260
qq	75655 GAGACCCTACTATGTGCCAGGCACTGTTAGAGCACTGATCTCCGAAGCACTTGGATCGA 75714	_	GGAGACAGGAGCCCAAAAGGAGGGGTC 76794
Qy	1163 1162	1261	
В	75715 CACCCATGTCAATAACCAACATTTAAATAAAACCCACACCCCACTGTGTGAATATTTGTT 75774		
ογ	1163 1162	1971	
අධ	75775 TGTAAGTAATACACATATATTACTACATTAATATCATAATAAAGATAGAT	•	
οy	1163 1162	1971	1260
οg	75835 TTGATGGAGTAGAAATGCAAAGCAGGTAGAAAAGTAAAACGTAAGTAGAAGAGCTCATAT 75894	DD /6915 CCCTACCCTGTGCCTTTTCCTCGGGTTCCTCAGCCCCCTGAGCACTCTCCCGCCCCGC	
οy	1163 1162	,	
OD	75895 TITCCCCAGGCACATGGATGATCTGATGTACCTTACTTTGGAGGCCACTGCTCTAGGGAC 75954	0/60/	
Qy	1163 1162		
qq	75955 TGGGGACTCAAGCACAGTCCCAGGCCATGAGGAGCTGAAAATCAACAACGAAGGCTTA 76014	77035	
οy	1163 1162	1380	
g	76015 TATAAGACACTTCCCAATTTTCAAAGGGCTTTTATACATAGCATGTACTTATAGCTACTA 76074	77095	
QY	1163 1162		
qq	76075 TITATATACATTATTTTATTTGACTTATGAAATAGTTGGGGCAAGTCTTATTGTCTCCAT 76134	77155 GC	
οy	1163		
qq	76135 TTTACCAGGGAAGAAAGTGAGGCTGAGGGAGGCTCAGACCCTGCCCAGGTTCTTCCTGAC 76194	77215	
Qγ	1163 1162		
qq	76195 TCACTGAGAATCTTTCCTCATCCTCTTGGATGTGCTTCCCTGGGCTGCGTGGCTGCGTGG 76254	77275	CTGTGTCTCTGCCCCGTGCCCGGCCCC 7733
οy	1163 1162		
QQ	76255 GCACATGCACCTGTGTATTCTGAGCACCACCAGGACTTCAACCCCGCTACTAGGAGAAA 76314	77335	
Οy	1163 1162	1570	
qq	76315 CAACCICICAGCTCCCAAACAGCACCICCACCCIGGCAICCAGCIGGICCCCGGCCICC 76374	7	
οy	1163GATGCCATTGGCCTGCAGCA 1183	1570	
qq	76375 CICCCITCCCCACCCAGICCGCCICTGCTGTTTGCAGAIGCCATGGCCTGCAGCCA 76434		
οy	1184 GATGCCGGTGGTGTGCCACATCTCTGGGGCTCAATGAGCGTCTTTTTTTT	1570	
g G	76435 GAIGCCCGIGGIGGIGGCCACAICICIGGGGCICAAIGAGCGICTITITITITITITITITITITITITITITITITIT		
οy	1244 CAGGAAGTGCATGAGCT 1260	Db 77575 GIGGCTGCTTACCCTGAGGGTCTCTGGGTCTTCTGCTCACACACA	
a :	CAGGAAGTGCATGAGGTAGGGACCAGGCAGGGTGCCAGGGCCCAGGGAGGAGATCTA	1583	
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QQ	79855 CCCCCACCCTACATCCTCTGTGAGGCTCCAGGGTGGCCCTGACTCCATGACCCCTCCCCA 79914	g (AGCAGGCAGTGGGGCTGCGGGCCTGTGCGGTGGTCCCTGAGGAGCTTTATTGTTACTGTC
οy	1919GIGCCICTCTCACCACTCAGAAGCCGAGTITCCCACCTCCACGAGGACAGCC 1970	ò	
QQ	79915 CCCCGCAGTGCCTCTCTCACCACTCAGAAGCCGAGTTTCCCACCTCCACGAGGACACC 79974	qq	80995 AACATAGTAGTATGTTCCAGGCCCAGAGTGGGCGTGGCAGGGAGGCTGAGGCCCCG 81054
δy	1971 AGGTGGCGAGGATTTCCACAT1991	Οy	2424 2423
qq		đ	81055 CCCTCTGGGAAGGAGCTGTGGAGGAGAAGCAGCCCCATGCTGGGCACGGGCCAGACTGGG 81114
δý	-	Οy	2424 2423
Ωp	80035 CTTATGGTAGTTACCCATGGCTGGCACATCCTAGGCACTTGCCATGTGCCAGGCACGGAG 80094	qa	81115 TCCAAGATCCTGATGCCACCCAGATGTGCCTCCAGGGCTCTGGCCAAAGGGCGGGC
οy		Qy	2424 2423
. qa	80095 CCCGGCCCTTCCATACATGATGTTGATAATGTTCAGCCTCTGTGCTCTGAGCCAGGGGGC 80154	qq	81175 GCCTGGAGCCCCTGTCAGCAGCCAGGGTGACCATCAGCTCCCCGTGGTGGTCCAAT 81234
δy		δλ	2424 2427
qq	80155 TCTTCGGTCCCCTCACCCGTGGGGTGGGCAGGGACAGCCGTCTTTAGGAATTGGTGATGG 80214	qq	81235 AGGACTITACAGICCAGAIGCAACTGACAGCTICTICCCAACIGCAAICCCCGCTITICC 81294
٥y		ογ	2424 2423
Dp	80215 GAAGTGGTTGGTGGTGGTGGAGGGCAAGAAGGCAGATGTGATATGGCTCCTTGGAGGGG 80274	q	81295 ACACITGAGCICCICCTGGCCTGITGGGCCAGGCTICTGGGGGTCTTCTGGGGGTGGCTTG 81354
οy		δy	2424
g		qq	81355 TGATAGAAACAATGCTGAAGCTTCCGCGGAGAGCCCGTCGCTTGTTGAGGCCCAACAGAC 81414
ŏ		ΟŊ	2424 2423
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οy		٥y	2424 2423
D QC		QQ	81475 CGAAGTCCTCTTTCCCTGCCCCTTCAGCACTTCCCCTAGGAACCAGCTACTGCCAGGAC 81534
δ		ΟŊ	2424 2423
QQ		qq	81535 GCCTCTTGCGAGGCAGAGCTCACCCAGGAAGCTCCAGGGACTCCACCCTCTTGCCTTGCT 81594
δ		Qy	2424 2423
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СP		qq	81655 CTGCCATGACTCCTGAGTAGGTATTGAGGCTGCAGGGCCTTGGGCGTCCAGAGGCAGCTG 8171
٥y		οy	2424 2423
QQ	80635 GGAGTGGACCCGAGCAGGAATAACGAATGACCCAAGGCCAAGGAGGAGGAGGAGGACAAGAGAG 80694	qa	81715 GTAIGGCCCCTCTGCACTICAGCCCCAIGGAIGTGGAIACACAGGCCTGCTGCTTCCAGA 81774
οy		Qy	2424 2423
QQ	80695 GCCCCAGGAGTGGGTGGAGTGGAGTGCGCTGGGACGTTGTGTGTG	qq	81775 AAGGGTCAGAGCCTTTAGCAGGGAGGCAGCACAGGCTGGGCTTAGACCTCAGGTCACTAAG 81834
οy		Qy	2424 2423
QQ	80755 CACACCAGATGTCTTCCAGATTCTGTGCCTCTGGCTTTGTTGTCCAGCCAG	qq	81835 TGAATCTGAGCAAGTCAGTGAACAGTTCTTCTTCTTCTTCCTTC
δy		Qy	2424 2423
D D	80815 ITATTITCACAGIGGACAGAGAGAGAGAGGCIGCAIGIGIGIACCGIGIGIGGCAA 80874	g	81895 ATGATAAACGCCATACAGCGCTTAGTGACAAACACATAAAACTGTAGCTCCTGCCTCTGT 81954
Qy		ογ	2424 2423
QQ	80875 GGGCAGGGCCTTGGCCTGGGGCCCCCCTGCTTTCTTTCCACAGCTTTCTTCCAAC 80934	QQ	81955 AGCAGAGGTGACAGCCAAGGGCAGTCCTGTGCTATCCAGGCCTGGTAGGGGGGGCAGCCTC 82014
ŏ		Qy	2424 2423
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οy	2424 2423	
Db	84235 GCACAAGCCACCTGAGTAGCAGGCAGGTATGGTGGCTGGTGGCTGCAGCAAATTCTGACC 84294	BSSIS ATCTATGAATTTGGCAACTCAGGGTGTCAAAAGGGGAAGGGGTGTAGGCCCCTTTAAGGA
οy	2424 2423	2424
g G	84295 IGGCAGIIGICCICAACCCCIIICICCCIICCACAGACCIACAGGCCAGAAAGIACAIGI 84354	Db 85375 TCTTCCCCATGGTGGCTTCCAGCCGTGACTGCTCATGGGAGGGA
Qy	2424 2423	ΟΥ 2424
qq	84355 CTITCCAAAATGIGTCCTAGTACCCCAACCCACACTCCAGTATIGAGCTCCTCCTACAICT 84414	Db 85435 CTGITTATIGGAGGGTICICAGAGCICCCTACCCCIGAGIGITGCICCCIGCTACCIG 85494
Οy	2424 2423	Oy 2424 2423
qq	84415 GCCAGGCCATGGATCTATACTAAGTAAGTGTCCACCCAGGCCTGTCCAGTTGCTGCAGCC 84474	Db 85495 CTTGAGTGCATGACTGCCTTCCTACTCTTTGAGTTCTAGTTGTCAGTAGAAGGCCCC 85554
Οy	2424 2423	2424
ρp	84475 AAITCAGGCACCCICCTCICAGAITCIGGACTCITCAAGACCIGAGCCIGTAGCCITCCIG 84534	ω
QΥ	2424 2423	Qy 2424 2427
QQ	84535 CAACACACTCTGCTGGCATCTGAGGGTGAAGGGCCTTGCAGGCCAGGGCACGGTGACTG 84594	ω
δy	2424 2423	2424
QQ	84595 CCGTCCCTCCCAGTGATGATAAAACTGGATCATCCTGAGAAGCCGAGTCTGACTCAGCTG 84654	ω
٥y	2424 2423	Qy 2424 2423
qq	84655 CACTIAGAAAGAGICTICICICCCAIGCCIGGGGCCTICCIGGAGCAGGIGCCICGAIG 84714	Db 85735 TGTTACAGGGGTCCTGGGACACAGGGCATCCAGGGTGGGAATCAGAGGGAGAGGTAGGT
δy		Qy 2423
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οp	84775 CAGAAGAAGACAGAAGGTTAAGCTCACAGTTTGGACCCACTTTTTGTGCTAGGAGGTGTG 84834	Db 85855 GAGGGAGACCTGCACATGCAGGCTGGACTCTGGTGGCCCACGGAGAAGGTCAGGAAATCT 85914
δ	2424 2423	Qy 2424 2423
. q	84835 GGATTCTGGTTGTGCATGTGTGTGTGGACTGTGACCAGTGTGCACCCTGGACCAGGGAGC 84894	Db 85915 CTGTTTCTTCTCCGGTTCTTGACTTTGCACCAGGCAGCTGTGGATTATCTCATCAAAT 85974
Qy	2424 2423	Oy 2424 2423
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٥y	2424 2423	QY 2424 2423
qq	84955 IGGATCTTGGTTTTCTCACTGGAGTGAGTTGTAGGCAGCTAGAGCTGTTTGGACTGCTG 85014	Db 86035 AACTTTAGCTTCCCCAGAGCAAAGCACTGTTCCTAAGGCTGCAGGCCACAGCCCCAGA 8609
٥y		Oy 2424 2423
QQ	85015 AAIGGAGGGCIGTACTGGCTTTCCTGCCACTTAGGCGATCCTAGCTAGCAGGGGTAG 85074	ω
٥y	2424 2423	2424
QQ	85075 AGACAGGGTGCCTTTTTAGGGGGCCCATGACAACAGGATATTTTAAGCTTACTTGACCACC 85134	Db 86155 GCCATCCCCAAGACTTGAAAATACCGAGGTGCACGTTTTTTAAATGAAAATATTTTTT 86214
Qy	2424 2423	
QQ	85135 CAGAAAAGTGCCCTGTCCACCAGAGTATAAGGCAGCATAGGTGGATCCCATAGGTGGGCA 85194	ω
٥y	2424 2423	
QQ	85195 GIGIGCIGGGGAGGGGGGCCTCCATCICICAGCAGCCCIGGGCAAGGCAA	Db 86275 TCACTAITGTCATITICAGAACTITITITITITITTTTGAGACGGAGTCTTGCTCTGTC 86334
٥y	2424 2423	2424
QQ	85255 TCTCCCTGGGCCTCACTTTCCCCATTTAGAAACAGGAATTTGGATGAGAAGTGTTGAGG 85314	86335 GCCCAGGCCGGAGTGCAGTGGCGCGATCTCAGCTCAAAGCTCCACCTCCGGGGTTC
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                                                                                                           TTGCCCCGCCCTTAGACATGTTGTGTCTTCTCCTGGATCCTTGGTCCCAGGTGCCTTACC
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Pred. No. 2.8e-125;
0; Mismatches 2;
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
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